

The Chemist & Druggist

SUPPLEMENT.

Businesses Wanted
Businesses for Disposal
Premises to Let
Auction Sales

SATURDAY, JAN. 14, 1893.

Partnerships
Situations Vacant
Situations Wanted
Miscellaneous

A Copy of this Supplement is inserted in every number issued of "The Chemist and Druggist."

PLEASE NOTE.

ADVERTISEMENTS for this Supplement must be received at the Office, 42 Cannon Street, E.C., not later than 5 o'clock on Thursday Evenings, for insertion in the current week's issue.

Advertisements must be prepaid. Remittances by post may be made in stamps, or by postal order made payable to "EDWARD HALSE," and crossed MARTIN'S BANK (LIMITED). To ensure prompt attention address all communications, endorsed "Supplement," to the PUBLISHER of "THE CHEMIST AND DRUGGIST."

OFFICES: 42 CANNON STREET, LONDON, E.C.

CHEMISTS' TRANSFERS.

MESSRS. ORRIDGE & CO., 32 LUDGATE HILL, E.C.

CHEMISTS' TRANSFER AGENTS,

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

The business conducted by Messrs. ORRIDGE & Co. has been known as a Transfer Agency since the year 1846, and is well known to all the leading firms in the Trade. VENDORS have the advantage of obtaining an opinion on value derived from extensive experience, and are in most cases enabled to avoid an infinity of trouble by making a selection from a list of applicants for purchase, with the view of submitting confidential particulars to those alone who are most likely to possess business qualifications and adequate means for investment. PURCHASERS who desire early information regarding eligible opportunities for entering business will greatly facilitate their object by describing clearly the class of connection they wish to obtain.

1.—LONDON, WEST.—Good-class Retail and Dispensing Business, established over 20 years; returns last year £900; well-fitted shop and good stock, with good house attached; attractive garden; about £650 required.

2.—LONDON, N.—Good ready-money Business; Retail and Dispensing; returns nearly £500 yearly; well-fitted shop and good stock; very moderate price will be accepted.

3.—LONDON SUBURB, E.—Retail and Dispensing Business, with Prescribing; returns £1,100 yearly, with large profits above the average; shop has single front, is well fitted, and good stock; house has 8 rooms, shop, and small garden; price £900; long beneficial lease.

4.—LONDON, W.C.—Good middle-class locality; Retail and Dispensing Business; returns about £700 yearly; well-fitted shop, and good stock; about £450 required.

5.—HOME COUNTRY.—Unopposed good Country Business, situate in a good residential locality; returns about £500 yearly, capable of being much increased; large house and garden; about £450 required; worth attention.

6.—SOUTH COAST.—Good locality; Retail and Dispensing Business of good class; returns over £600 yearly; well-fitted shop, and good stock; business will bear the fullest investigation; about £600 required; worth attention.

7.—EASTERN COUNTIES.—Partnership offers in a well-established Wholesale and Retail; about £2,000 required; full investigation is invited; particulars on application; worth attention.

8.—MIDDLESEX.—Retail and Family Business; returns over £800 yearly; large attractive shop, with good garden attached; about £750 required.

9.—WEST OF ENGLAND.—Good-class Dispensing, with Light Retail; returns last year £564, with good profits; well-fitted shop (by Treble), and large stock; good house attached; about £475 required, or valuation; worth attention.

10.—EASTERN COUNTIES.—An opportunity offers for the transfer of a very old-established Business; returns at present about £1,500 yearly; large house, good premises attached; vendor, through failing health, is anxious for an early sale; valuation terms can be arranged.

11.—SOUTH OF ENGLAND.—Good town; Family Retail and Dispensing Business; returns at present about £800 yearly; well-fitted shop and good stock; small premium and valuation; terms can be arranged.

12.—WEST OF ENGLAND.—Old-established Business; situate in a prominent position in a first-rate town; returns average over £1,800 yearly, including a Wine Agency; large and convenient house, store-rooms, &c.; held on lease at very moderate rental; valuation of stock and fixtures required.

13.—MIDLANDS.—Old-established Business; Dispensing and Retail Business; returns £700 yearly; very profitable; single-fronted shop; well fitted and good stock; 7-roomed house, warehouse, &c.; low rental; price about £480.

14.—SPECIAL NOTICE.—The proprietor of some very old valuable proprietary Veterinary Medicines, with a large number of agencies throughout the Kingdom, is desirous of disposing of the same; the profit is about £300 yearly, easily increased; price required under £1,000; full particulars on application.

Particulars of any of the above will be furnished on application.

N.B.—NO CHARGE TO PURCHASERS.

Other Businesses, Town and Country. Particulars free on application. Personal applicants receive Messrs. O. & Co.'s direct attention and advice, where required, free.

TERMS FOR VALUATION ON APPLICATION. APPOINTMENTS BY POST OR WIRE HAVE IMMEDIATE ATTENTION. Messrs. ORRIDGE & Co. invite communications from COLONIAL and FOREIGN firms where business of a confidential nature requires the especial attention of a London Agent.

NOTICE.—Messrs. ORRIDGE & CO. have a large number of Businesses for Sale, suitable for Gentlemen with Small Capital. Full particulars on application.

ORRIDGE & CO., 32 Ludgate Hill, LONDON, E.C.

F. J. BRETT,

VALUER, LEICESTER,
60 St. Stephen's Road.

References to principal London and Provincial Wholesale Houses, also to numerous clients throughout the United Kingdom.

BUSINESSES THOROUGHLY INVESTIGATED FOR BUYERS. 20 YEARS' EXPERIENCE. NO CHARGE TO BUYERS.

STOCKTAKING UNNECESSARY.—Stocktaking is always dreaded by Chemists, and with a competent Valuer is not necessary.

F. J. BRETT is prepared to estimate or to value entire stocks as they stand with little or no inconvenience to ordinary business, and has repeatedly done so with entire satisfaction to those adopting this mode.

STOCKS AND FIXTURES BOUGHT FOR CASH.

NOTTS.—Unopposed Retail: returns about £300, half net profit: price £140, part can remain. **EASTERN COUNTIES.** £1,000 (over): pleasant market town; net profit £300; price £850; value of stock and fixtures. **HULL.**—Returns £550; good medium-class Retail; improving district; price £400. **SUSSEX.** Returns £530; Dispensing and Light Retail; full prices; rent £30; price £400. **YORKS.**—£1,000 returns; General Retail, Prescribing, and own preparations; at valuation, about £500; rent nearly cleared by Agency, giving no trouble.

MESSRS. BERDOE & CO.

CHEMISTS' TRANSFER AGENTS & VALUERS.

30 JEWRY STREET, ALDGATE, E.C.

Established 1870.

VALUATIONS AND TRANSFERS conducted in any part of the United Kingdom. Over 20 years' practical experience.

NO CHARGE TO PURCHASERS.

Messrs. BERDOE & CO. are in immediate want of genuine Businesses requiring an investment of £500 to £3,000 cash. Clients are waiting with the money. Gentlemen wishing to sell should communicate at once; strict confidence guaranteed. Can refer to many well-known Chemists whose Businesses have been recently sold.

1. **YORKSHIRE.**—Good-class Light Retail, Dispensing, and Prescribing Business; good business town; returns £1,700, and making £600 net profit; same hands many years; good house; price £850.

2. **HOME COUNTY.**—Retail, Dispensing, and Prescribing Business, with a good Agricultural connection; returns £2,000; net profit £600; very handsome premises; good house and garden; price £1,650.

3. **WILTSHIRE.**—Large town; Retail, Dispensing, and Prescribing Business; returns £360; good house and garden; well-fitted shop, heavy stock; satisfactory reasons for selling; price £650; personally inspected.

4. **KENT.**—Market town; Retail, Dispensing, and Prescribing Business; returns £500 under indifferent management; good house and garden; large shop, well fitted and stocked; price £350.

5. **NORTH WALES.**—Light Retail, Dispensing, and Prescribing Business; returns £600; net profit £230; low rent; large house; price £440, or valuation; strictest investigation allowed.

6. **DERBY.**—Retail and Prescribing Business; returns £500 under management; carried on as a Branch; low rent; good house; ill-health cause of sale; price £200; worth attention.

7. **MIDDLESEX.**—Ten miles from town; ready-money Retail, Dispensing, and Prescribing Business; returns £1,100; low rent; large house and garden; valuable stock of fixtures; price £1,000.

8. **YORKSHIRE** (West Riding).—In a market town; Retail, Dispensing, and Prescribing Business; returns £800; good house, large garden; will be sold for valuation, without goodwill.

9. **LONDON, N.W.**—In a distant suburb; good-class Light Retail and Dispensing Business; scope for increase; returns £300; net profit £325; good house and garden; price £750.

10. **LONDON W.**—Main thoroughfare; very handsome double-fronted shop, well stocked; returns £750; good house; Retail, Dispensing, and Prescribing Business; price £550; worth special attention.

Messrs. Berdoe & Co., 30 Jewry Street, Aldgate, E.C.

BUSINESSES FOR DISPOSAL.

3s. 6d. for fifty words; 6d. for every 10 words beyond.

LONDON, N. (a few miles out).—Genuine Branch; opened 9 months; average takings £6 weekly; could be easily doubled by good Prescriber; attractive shop, good house and garden; valuable lease; rent £35; price £250, less than cost of stock and fittings; part could remain. "Alpha," 28 Marlboro' Road, N.

THOMAS TOMLINSON & SON, Chemists' Valuers, 9 New Cannon Street, Manchester, have Businesses for disposal in Rochdale, about £500; Sheffield, about £450; Penrith, about £1,000; Southport, at valuation, about £280; Oldham, at valuation, about £700; also one in same town, stock worth £300, for £150 (must be sold at once); Bolton, about £350; Middleton, Lancs, about £300; Owston Ferry, about £220; Bradford, at valuation, about £650; Ripon, about £650; Warrington, good-class, about £250; Liverpool, about £200; Croydon, about £500; Parsley, about £200; Derby, about £250; Manchester, about £350, or at valuation; Bolton, about £150; Stockport, about £110; Wokington, about £250; and several others. No charge to purchaser.

Messrs. CROCKER & CO.

Trade Valuers, Transfer Agents and Accountants,
15 WALBROOK, E.C.,

Having at the present time a large number of inquiries for good-class Country Businesses, they invite communications from intending vendors. **NO CHARGE IS MADE UNLESS A SALE IS EFFECTED.**

YORKSHIRE.—Light Retail and Prescribing; very profitable trade; no opposition; returns £360; rent £18; price £200.

MIDDLESEX.—Retail Business; returning over £300, with a net profit of £140; nice house with private entrance; price £180.

NORTH OF ENGLAND.—First-class Dispensing; returns £3,000; price £2,500; handsome pharmacy with good residence.

SOUTH COAST.—Fashionable health-resort; good-class Dispensing trade; price £750; stock and fixtures worth the money.

MIDLANDS.—Good sound country trade; returns £1,100; price £1,000; several first-class proprietary articles in excellent demand.

NO CHARGE TO PURCHASERS

VALUATIONS A SPECIALITY. TERMS ON APPLICATION.

BUSINESSES FOR DISPOSAL—Cont.

TO Chemists and Druggists.—A Business for sale, in the Isle of Man; price £150 cash. For particulars apply to "Alpha," c/o Evans, Sons & Co., 56 Hanover Street, Liverpool.

MIXED Country Business, with Prescribing and full prices; returns about £400; for immediate disposal; can be acquired on easy terms. Full particulars given, A. B., Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

SOUTH OF SCOTLAND.—For immediate sale, genuine old-established Retail and Dispensing Business, in busy manufacturing town, with good family trade; good prices; satisfactory reasons for disposal; sum required about £520. Particulars from "Statin," c/o Messrs. John Mackay & Co., Edinburgh.

LONDON, N.—Main thoroughfare; prominent corner position; opposite railway station and post office; populous middle-class neighbourhood; grand prospect for pushing man with small capital; at present under management, and, owing to illness and death, much neglected. Address, W. Talbot, 59 Ickburgh Road, Clapton, N.E.

PLYMOUTH.—For immediate sale, a good-class Light Retail, Dispensing, and Prescribing Business; returns are between £700 to £800; has been in same hands many years, and, retiring from business, owner will give good introduction; low rent; price £500. "Camphol," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

SUSSEX.—Good-class Light Retail, with Stationery; returns over £800 (about £600 drug); small premium and valuation; Tooth-extractor much wanted in the district; half the purchase-money down and remainder by instalments; post-office appointment can also be obtained. "Nemo," c/o Messrs. Barclay, 95 Farringdon Street, London.

SOUTH-WEST of England.—Very old-established Retail, Dispensing, and Prescribing Business, returning £850 per annum; large double-fronted shop, in one of the best positions; low rent; good house and garden; satisfactory reasons for leaving; price £650; every investigation courted. Apply, S. W., Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

SMALL, genuine Business for Disposal, in one of the outer suburbs, on very advantageous terms; exceptionally free from opposition; returns nearly £400, full prices, including patents; good residential neighbourhood; easy communication with the City; 6-roomed house, at low rental. Address, 60/18, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

N.—A thoroughly genuine old-established Retail and Prescribing Business, several good Proprietary lines, for immediate Disposal on easy terms; shop well fitted and stocked; convenient house, with long garden; rent low; present returns over £8 weekly; capable of considerable increase. 49/13, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

IN a very pleasant district, about 5 miles out from Manchester, a nice clean and very profitable Business; at present making £220 clear, but which might be much increased; amount required about £300; rent low, with very good house; plate-glass front to shop; strongly recommended. Apply, Thomas Tomlinson & Son, Chemists' Valuers, 9 New Cannon Street, Manchester.

£3,000 RETURNS.—A very old-established Retail, Dispensing, and Agricultural Business, in a large Midland town, having scope for considerable extension; net profit £600; large, convenient house, exceptionally good business premises; price £1,800, or by valuation; references required. X. Y. Z., Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

OWNER retiring; genuine Business in an increasing Lancashire town; no opposition within half a mile; returns over £800 per annum; rent £30; handsome corner shop with single-sheet plate-glass front; pleasant 7-roomed dwelling house (also store-rooms, stable, and coach-house if desired at a rental of £10); lease at option, being property of vendor; price £700, or at valuation. Apply, Thomas Tomlinson & Son, 9 New Cannon Street, Manchester. No charge to purchaser.

The Chemist & Druggist

SUPPLEMENT.

Businesses Wanted
Businesses for Disposal
Premises to Let
Auction Sales

SATURDAY, JAN. 14, 1893.

Partnerships
Situations Vacant
Situations Wanted
Miscellaneous

A Copy of this Supplement is inserted in every number issued of "The Chemist and Druggist."

PLEASE NOTE.

ADVERTISEMENTS for this Supplement must be received at the Office, 42 Cannon Street, E.C., not later than 5 o'clock on Thursday Evenings, for insertion in the current week's issue.

Advertisements must be prepaid. Remittances by post may be made in stamps, or by postal order made payable to "EDWARD HALSE," and crossed MARTIN'S BANK (LIMITED). To ensure prompt attention address all communications, endorsed "Supplement," to the PUBLISHER of "THE CHEMIST AND DRUGGIST."

OFFICES: 42 CANNON STREET, LONDON, E.C.

CHEMISTS' TRANSFERS.

MESSRS. ORRIDGE & CO., 32 LUDGATE HILL, E.C.

CHEMISTS' TRANSFER AGENTS,

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

The business conducted by Messrs. ORRIDGE & Co. has been known as a Transfer Agency since the year 1846, and is well known to all the leading firms in the Trade. VENDORS have the advantage of obtaining an opinion on value derived from extensive experience, and are in most cases enabled to avoid an infinity of trouble by making a selection from a list of applicants for purchase, with the view of submitting confidential particulars to those alone who are most likely to possess business qualifications and adequate means for investment. PURCHASERS who desire early information regarding ligible opportunities for entering business will greatly facilitate their object by describing clearly the class of connection they wish to obtain.

1.—**LONDON, WEST.**—Good-class Retail and Dispensing Business, established over 20 years; returns last year £900; well-fitted shop and good stock, with good house attached; attractive garden; about £650 required.

2.—**LONDON, N.**—Good ready-money Business; Retail and Dispensing; returns nearly £500 yearly; well-fitted shop and good stock; very moderate price will be accepted.

3.—**LONDON SUBURB, E.**—Retail and Dispensing Business, with Prescribing; returns £1,100 yearly, with large profits above the average; shop has single front, is well fitted, and good stock; house has 8 rooms, shop, and small garden; price £900; long beneficial lease.

4.—**LONDON, W.C.**—Good middle-class locality: Retail and Dispensing Business; returns about £700 yearly; well-fitted shop, and good stock; about £450 required.

5.—**HOME COUNTY.**—Unopposed good Country Business, situate in a good residential locality; returns about £500 yearly, capable of being much increased; large house and garden; about £450 required; worth attention.

6.—**SOUTH COAST.**—Good locality: Retail and Dispensing Business of good class; returns over £600 yearly; well-fitted shop, and good stock; business will bear the fullest investigation; about £600 required; worth attention.

7.—**EASTERN COUNTIES.**—Partnership offers in a well-established Wholesale and Retail; about £2,000 required; full investigation is invited; particulars on application; worth attention.

8.—**MIDDLESEX.**—Retail and Family Business; returns over £800 yearly; large attractive shop, with good garden attached; about £750 required.

9.—**WEST OF ENGLAND.**—Good-class Dispensing, with Light Retail; returns last year £564, with good profits; well-fitted shop (by Treble), and large stock; good house attached; about £475 required, or valuation; worth attention.

10.—**EASTERN COUNTIES.**—An opportunity offers for the transfer of a very old-established Business; returns at present about £1,500 yearly; large house, good premises attached; vendor, through failing health, is anxious for an early sale; valuation terms can be arranged.

11.—**SOUTH OF ENGLAND.**—Good town; Family Retail and Dispensing Business; returns at present about £800 yearly; well-fitted shop and good stock; small premium and valuation; terms can be arranged.

12.—**WEST OF ENGLAND.**—Old-established Business; situate in a prominent position in a first-rate town; returns average over £1,800 yearly, including a Wine Agency; large and convenient house, store-rooms, &c.; held on lease at very moderate rental; valuation of stock and fixtures required.

13.—**MIDLANDS.**—Old-established Business; Dispensing and Retail Business; returns £700 yearly; very profitable; single-fronted shop; well fitted and good stock; 7-roomed house, warehouse, &c.; low rental; price about £480.

14.—**SPECIAL NOTICE.**—The proprietor of some very old valuable proprietary Veterinary Medicines, with a large number of agencies throughout the Kingdom, is desirous of disposing of the same; the profit is about £300 yearly, easily increased; price required under £1,000; full particulars on application.

Particulars of any of the above will be furnished on application.

N.B.—NO CHARGE TO PURCHASERS.

Other Businesses, Town and Country. Particulars free on application. Personal applicants receive Messrs. O. & Co.'s direct attention and advice, where required, free.

TERMS FOR VALUATION ON APPLICATION. APPOINTMENTS BY POST OR WIRE HAVE IMMEDIATE ATTENTION.

Messrs. ORRIDGE & Co. invite communications from COLONIAL and FOREIGN firms where business of a confidential nature requires the especial attention of a London Agent.

NOTICE.—Messrs. ORRIDGE & CO. have a large number of Businesses for Sale, suitable for Gentlemen with Small Capital. Full particulars on application.

ORRIDGE & CO., 32 Ludgate Hill, LONDON, E.C.

F. J. BRETT,

VALUER, LEICESTER,
60 St. Stephen's Road.

References to principal London and Provincial Wholesale Houses, also to numerous clients throughout the United Kingdom.

BUSINESSES THOROUGHLY INVESTIGATED FOR BUYERS. 20 YEARS' EXPERIENCE. NO CHARGE TO BUYERS.

STOCKTAKING UNNECESSARY.—Stocktaking is always dreaded by Chemists, and with a competent Valuer is not necessary.

F. J. BRETT is prepared to estimate or to value entire stocks as they stand with little or no inconvenience to ordinary business, and has repeatedly done so with entire satisfaction to those adopting this mode.

STOCKS AND FURNITURE BOUGHT FOR CASH.

NOTTS.—Unopposed Retail: returns about £300, half net profit: price £140, part can remain. **EASTERN COUNTIES.**—£1,000 (over): pleasant market town; net profit £300; price £850; value of stock and fixtures.

HULL.—Returns £550; good medium-class Retail; improving district; price £400. **SUSSEX.** Returns £530; Dispensing and Light Retail; full prices; rent £30; price £400. **YORKS.**—£1,000 returns: General Retail, Prescribing, and own preparations: at valuation, about £500; rent nearly cleared by Agency, giving no trouble.

MESSRS. BERDOE & CO.

CHEMISTS' TRANSFER AGENTS & VALUERS.

30 JEWRY STREET, ALDGATE, E.C.

Established 1870.

VALUATIONS AND TRANSFERS conducted in any part of the United Kingdom. Over 20 years' practical experience.

NO CHARGE TO PURCHASERS.

Messrs. BERDOE & CO. are in immediate want of genuine Businesses requiring an investment of £500 to £3,000 cash. Clients are waiting with the money. Gentlemen wishing to sell should communicate at once; strict confidence guaranteed. Can refer to many well-known Chemists whose Businesses we have recently sold.

1.—**YORKSHIRE.**—Good-class Light Retail, Dispensing, and Prescribing Business; good business town; returns £1,700, and making £600 net profit; same hands many years; good house; price £850.

2.—**HOME COUNTY.**—Retail, Dispensing, and Prescribing Business, with a good Agricultural connection; returns £2,000; net profit £600; very handsome premises; good house and garden; price £1,650.

3.—**WILTSHIRE.**—Large town; Retail, Dispensing, and Prescribing Business; returns £860; good house and garden; well-fitted shop, heavy stock; satisfactory reasons for selling; price £650; personally inspected.

4.—**KENT.**—Market town; Retail, Dispensing, and Prescribing Business; returns £500 under indifferent management; good house and garden; large shop, well fitted and stocked; price £350.

5.—**NORTH WALES.**—Light Retail, Dispensing, and Prescribing Business; returns £600; net profit £230; low rent; large house; price £440, or valuation; strictest investigation allowed.

6.—**DERBY.**—Retail and Prescribing Business; returns £500 under management; carried on as a Branch; low rent; good house; ill-health cause of sale; price £200; worth attention.

7.—**MIDDLESEX.**—Ten miles from town; ready-money Retail, Dispensing, and Prescribing Business; returns £1,100; low rent; large house and garden; valuable stock of fixtures; price £1,000.

8.—**YORKSHIRE** (West Riding).—In a market town; Retail, Dispensing, and Prescribing Business; returns £800; good house, large garden; will be sold for valuation, without goodwill.

9.—**LONDON, N.W.**—In a distant suburb; good-class Light Retail and Dispensing Business; scope for increase; returns £800; net profit £325; good house and garden; price £750.

10.—**LONDON, W.**—Main thoroughfare; very handsome double-fronted shop, well stocked; returns £750; good house; Retail, Dispensing, and Prescribing Business; price £550; worth special attention.

Messrs. Berdoe & Co., 30 Jewry Street, Aldgate, E.C.

BUSINESSES FOR DISPOSAL.

3s. 6d. for fifty words; 6d. for every 10 words beyond.

LONDON, N. (a few miles out).—Genuine Branch; opened 9 months; average takings £6 weekly; could be easily doubled by good Prescriber; attractive shop, good house and garden; valuable lease; rent £35; price £250, less than cost of stock and fittings; part could remain. "Alpha," 28 Marlboro' Road, N.

THOMAS TOMLINSON & SON, Chemists' Valuers, 9 New Cannon Street, Manchester, have Businesses for disposal in Rochdale, about £500; Sheffield, about £450; Penrith, about £1,000; Southport, at valuation, about £280; Oldham, at valuation, about £700; also one in same town, stock worth £300, for £150 (must be sold at once); Bolton, about £350; Middleton, Lancs, about £300; Oswestry, about £220; Bradford, at valuation, about £650; Hipon, about £650; Warrington, good-class, about £250; Liverpool, about £200; Croydon, about £500; Farsley, about £200; Derby, about £250; Manchester, about £350, or at valuation; Bolton, about £150; Stockport, about £110; Workington, about £250; and several others. No charge to purchasers.

Messrs. CROCKER & CO.

Trade Valuers, Transfer Agents and Accountants,
15 WALBROOK, E.C.,

Having at the present time a large number of inquiries for good-class Country Businesses, they invite communications from intending vendors. **NO CHARGE IS MADE UNLESS A SALE IS EFFECTED.**

YORKSHIRE.—Light Retail and Prescribing; very profitable trade; no opposition: returns £360; rent £18; price £200.

MIDDLESEX.—Retail Business; returning over £300, with a net profit of £140; nice house with private entrance; price £180.

NORTH OF ENGLAND.—First-class Dispensing; returns £3,000; price £2,500; handsome pharmacy with good residence.

SOUTH COAST.—Fashionable health-resort; good-class Dispensing trade; price £750; stock and fixtures worth the money.

MIDLANDS.—Good sound country trade; returns £1,100; price £1,000; several first-class proprietary articles in excellent demand.

NO CHARGE TO PURCHASERS

VALUATIONS A SPECIALITY. TERMS ON APPLICATION.

BUSINESSES FOR DISPOSAL—Cont.

TO Chemists and Druggists.—A Business for sale, in the Isle of Man; price £150 cash. For particulars apply to "Alpha," c/o Evans, Sons & Co., 56 Hanover Street, Liverpool.

MIXED Country Business, with Prescribing and full prices; returns about £400; for immediate disposal; can be acquired on easy terms. Full particulars given, A. B., Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

SOUTH OF SCOTLAND.—For immediate sale, genuine old-established Retail and Dispensing Business, in busy manufacturing town, with good family trade; good prices; satisfactory reasons for disposal; sum required about £520. Particulars from "Statin," c/o Messrs. John Mackay & Co., Edinburgh.

LONDON, N.—Main thoroughfare; prominent corner position; opposite railway station and post office; populous middle-class neighbourhood; grand prospect for pushing man with small capital; at present under management, and, owing to illness and death, much neglected. Address, W. Talbot, 59 Ickburgh Road, Clapton, N.E.

PLYMOUTH.—For immediate sale, a good-class Light Retail, Dispensing, and Prescribing Business; returns are between £700 to £800; has been in same hands many years, and, retiring from business, owner will give good introduction; low rent; price £500. "Camphoid," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

SUSSEX.—Good-class Light Retail, with Stationery; returns over £800 (about £600 drug); small premium and valuation; Tooth-extractor much wanted in the district; half the purchase-money down and remainder by instalments; post-office appointment can also be obtained. "Nemo," c/o Messrs. Barclay, 95 Farringdon Street, London.

SOUTH-WEST of England.—Very old-established Retail, Dispensing, and Prescribing Business, returning £850 per annum; large double-fronted shop, in one of the best positions; low rent; good house and garden; satisfactory reasons for leaving; price £650; every investigation courted. Apply, S. W., Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

SMALL, genuine Business for Disposal, in one of the outer suburbs, on very advantageous terms; exceptionally free from opposition; returns nearly £400, full prices, including patents; good residential neighbourhood; easy communication with the City; 6-roomed house, at low rental. Address, 60/18, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

N.—A thoroughly genuine old-established Retail and Prescribing Business, several good Proprietary lines, for immediate Disposal on easy terms; shop well fitted and stocked; convenient house, with long garden; rent low; present returns over £8 weekly; capable of considerable increase. 49/13, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

IN a very pleasant district, about 5 miles out from Manchester, a nice clean and very profitable Business; at present making £220 clear, but which might be much increased; amount required about £300; rent low, with very good house; plate-glass front to shop; strongly recommended. Apply, Thomas Tomlinson & Son, Chemists' Valuers, 9 New Cannon Street, Manchester.

£3,000 RETURNS.—A very old-established Retail, Dispensing, and Agricultural Business, in a large Midland town, having scope for considerable extension; net profit £600; large, convenient house, exceptionally good business premises; price £1,800, or by valuation; references required. N. Y. L., Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

OWNER retiring: genuine Business in an increasing Lancashire town; no opposition within half a mile; returns over £800 per annum; rent £30; handsome corner shop with single-sheet plate-glass front; pleasant 7-roomed dwelling house (also store-rooms, stable, and coach-house if desired at a rental of £10); lease at option, being property of vendor; price £700, or at valuation. Apply, Thomas Tomlinson & Son, 9 New Cannon Street, Manchester. No charge to purchaser.

BUSINESSES FOR DISPOSAL—Cont.

LONDON W. Suburban Family, Dispensing, and Prescribing Business; established 20 years, and returning over £900 a year; rent £60; price £650; the shop is well fitted in mahogany, and the house is large and very conveniently arranged; satisfactory reasons for selling. P. T., Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

PRESCRIBING Chemists or Surgeons. Branch, home country, in suburb of large town, containing 30,000 population, 8,000 near shop; no other Chemist, and only one Medical man within one-third mile; 8-roomed house; rent £32; price to immediate purchaser, £100, or valuation. Address, "Dens," Avondale House, 184 Dalston Lane, London, N.E.

ONE hour from London. — Handsomely-fitted Pharmacy; returns approaching £800 last year, which will be £1,000 this; best position in town; rent £80; very valuable long lease, or a Partner would be entertained, as the principal has other business to attend to; references exchanged. "Antipyrin," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

BUSINESSES WANTED.

3s. 6d. for fifty words; 6d. for every 10 words beyond.

WANTED. Light Retail, giving a net profit of from £250 to £400; no business will be entertained that will not bear investigation; references exchanged. Apply, in the first instance, to S. S. R., Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

ADVERTISER, who has just sold his business in London, is very anxious to meet with a good and reliable Business in the provinces; has capital up to nearly £1,500, but would not object to a smaller Business, if with scope for development. "Pharmacist," c/o Messrs. Meggeson & Co., 14 Miles Lane, London.

IMMEDIATELY, near London, a Family, Retail, and Dispensing Business, showing a return of not less than £700; or a partnership in a larger business with a view to succession would be preferred; cash ready up to £1,400. Send full particulars, in confidence, to Mr. Owen, Chemist, 488 Hornsey Road, London, N.

PARTNERSHIPS.

3s. 6d. for fifty words; 6d. for every 10 words beyond.

A CHEMIST, established in London for nearly 40 years, is desirous of retiring from business, on account of age; he would take a Partner, or could let the business on moderate terms. Address, A. L., 109 Sydney Street, Chelsea.

PARTNERSHIP.—Gentleman wanted, with about £300 capital, to join Advertiser to establish a business in Bradford district, on Store principle; at once, if required. 61/34, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

TO LET.

3s. 6d. for fifty words; 6d. for every 10 words beyond.

CHEMIST'S and Druggist's Shop, with Wine and Spirit Licences. 53/22, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

LEEDS (Briggate).—To Let, in the very centre of this populous town, Stockrooms, from £1 per month; free from taxes. Further particulars, write Mosley, Rent Collector, 6 Womuld Row.

TO Chemists and Druggists. — A small corner shop in prominent position; well adapted for above, for which there is a grand opening for first-class man only; rent low. Particulars of Sutton Abbott, Auctioneer, The Mall, Wanstead.

APPRENTICESHIPS.

3s. 6d. for fifty words; 6d. for every 10 words beyond.

R. P. ROBERTS, Pharmaceutical Chemist, 13 Church Street, Camberwell, has a vacancy for a well-educated Youth as an Apprentice, indoors; low premium; short hours, and assistance in his studies.

APPRENTICE wanted, in large town, one hour from London; good home; time for study and recreation; references to former pupils; moderate premium. Montague, c/o Messrs. Hill & Son, 101 Southwark Street, London, S.E.

FOR SALE.

3s. 6d. for fifty words; 6d. for every 10 words beyond.

FOR disposal, small Druggist's Sundry Stock and Business, with several Proprietaries; terms moderate. Address, "Chendons," c/o 15 Penley's Grove Street, York.

STOCK, Fixtures, and Fittings (Counters, &c.) of small Chemist's Retail to be disposed of at once; good opportunity for one commencing; about £40 required. 31/22, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

CHEMISTS and Druggists. — Corner Shop, Shaftesbury Park, Laverder Hill, S.W.; as a going concern; stock, fixtures, and goodwill at a moderate figure; low rent; the only Chemist's on the estate; good opportunity for an enterprising man. Apply to Secretary, The Artisans' Dwellings Company (Lim.), 16 Great George Street, Westminster, S.W.

TO be sold immediately, the fixtures and fittings of four first-class Chemists' Shops, including several ranges of mahogany-fronted drawers, fitted with glass labels; six massive mahogany dispensing-screens with embossed mirror in centre; 10 mahogany bent-glass counter-cases, fitted with sliding trays and serving-shelf above; six mahogany combers, fitted with drawers; also a large quantity of wall-cases. To be sold at a vast sacrifice, wanting room. Edwards & Fothergill, Old Haymarket, Liverpool.

SITUATIONS OPEN.

3s. 6d. for fifty words; 6d. for every 10 words beyond.

AT once, a qualified Assistant (outdoors); hours easy; no Sunday duty. Apply, with references, to J. Clare, Chemist, Darlington.

A QUALIFIED Assistant, to fill a responsible situation; must be a good Counterman. Apply, stating usual particulars (enclose photo, to be returned), J. Burton, Chemist, Llandudno.

WANTED, at once, an Assistant well up in Dispensing and Retail; aged about 25. Apply personally, either afternoon or evening, to Reece & Co., 53 Great Marylebone Street, London, W.

QUALIFIED Assistant for branch in London suburb, to take charge; must be good tooth extractor. Full particulars to "Chemists," c/o Messrs. Bacon, Harveys & Co., Giltspur Street, London.

IMPROVER or Junior wanted in a first-class Retail and Dispensing business; indoors; short hours. Apply, stating age, height, salary, required, and references, to Metcalfe, Pharmaceutical Chemist, Hull.

JUNIOR Invoice Clerk; aged about 16; must be quick figurer and neat writer; commencing wages about 15s., according to capabilities. Apply, by letter, Chemists' Association (Lim.), Curtain Road, London, E.C.

WANTED, February 1, a Junior Assistant, well up in Dispensing; 2 kept; time allowed for study, if required; abstainer preferred; good references. Apply, with references, salary, &c., to Lakeman, Chemist, Leytoustene.

WANTED, an experienced Junior (indoors) for a Light Retail and Dispensing business. State full particulars as to age, height, experience, salary required, and enclose photo, to H. Althorp, Chemist, Peterborough.

QUALIFIED Assistant, with good references, having 2 or 3 days a week at liberty, may hear of a further engagement by addressing W. J. & Co., c/o Mr. Shaw, 403 Oxford Street, W. Please state what days at liberty, age, height, &c.

WANTED, immediately (outdoors), young man, chiefly to put up Stocks; hours 9 to 9, Saturday 10; must be neat; only good workers, possessing reliable references, need apply. Vause's First-Class Drug Stores, Edgware Road, W.

END of January; thoroughly reliable Senior Assistant; accustomed to first-class Dispensing; outdoors. State age, experience, salary required, and references, to J. H. Hackett, Pharmaceutical Chemist, 29 Christ Church Road, Birkenhead.

WANTED, thoroughly practical man to take charge of a Wholesale Druggist's Laboratory; must have had experience; state salary, references, and usual particulars. F. W., Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

QUALIFIED Assistant wanted, for high-class Dispensing business in London suburb; West-end experience preferred; aged about 26. Full particulars, with photo and salary required, to X., Messrs. Wright, Layman & Gurney, Southwark, S.E.

JUNIOR; about 20; only 1 kept; good-class country trade, with little stationery; easy hours, and no Sunday duty; salary £30; must be able to Dispense, and have passed Preliminary; state how long in last situation, experience in trade, age, height, and reference, and when at liberty. Smart, Littlehampton.

SITUATIONS OPEN—Cont.

INDIA. — Wanted, by a firm of Wholesale Druggists, a Representative to travel in India; passage paid out and home; salary according to capacity, and preference given to a gentleman who has had Eastern experience. "Sigma," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

EVENING WORK. — An Assistant (aged about 25) required for 3 or 4 hours each evening. Apply, personally, 390 Walworth Road, S.E.

JUNIOR wanted; one use to Store trade preferred; no night or Sunday duties; outdoors. State full particulars to Bunt's Drug Co., Northampton.

WANTED, a Junior Assistant (indoors); 2 kept. Apply, stating age, salary, and references, to H. Hyett (late Tomlinson & Hayward), 6 Bailgate, Lincoln.

WANTED, immediately, a good Junior Assistant, aged about 23, for a few weeks, to supply a vacancy through illness; salary £40 (indoors); enclose full particulars of experience, carte, and reference. "Radix," 90 Western Road, Brighton.

WANTED, at once, Manager for business in working-class neighbourhood; qualified; to live on premises; good references; if married state family. Apply, giving age, salary required, &c., to Bunker, 135 Great Dover Street, S.E.

MANAGER, qualified, for country cash business near London, by middle of February; steady, active, and reliable, with good all-round experience; hours easy; permanent position to suitable man. Send full particulars and references with photo, to "Eucalyptus," c/o Edwards & Son, Queen Victoria Street, E.C.

YOUTH wanted, in a Wholesale Business; a sharp, intelligent youth, of from 16 to 18; who has had some experience in the routine of a Chemist's business; hours 8 A.M. to 6 P.M. Apply (by letter only), stating particulars and salary required, to The Manager, H. & T. Kirby & Co. (Limited), 14 Newman Street, London, W.

IMMEDIATE vacancies for a qualified Assistant and a part-time Assistant; must have good appearance and address and good references. Apply, enclosing photo and stating age, height, salary required, and experience, to "London, S.W.," c/o Messrs. Meggeson & Co., Miles Lane, Upper Thames Street, E.C.

CHEMIST'S Assistant wanted, for the Dublin Branch of a large West-end establishment; only thoroughly competent men need apply. Address, stating age, references, and salary (outdoors) required, to F. J., c/o Street & Co., 30 Cornhill, E.C.

TRAVELLERS, desiring an additional Commission, wanted, to appoint Agents amongst Chemists for one of the best-known packet Ceylon Teas in the market; liberal terms. Apply, with full particulars, to Cave, Johnson & Co., 8 Lime Street, London, E.C.

MESSRS. INMAN & CO. are in want of experienced Counter hand; quick and obliging; steady; permanent situation; no Sunday duty; state full particulars of previous engagements, salary (outdoors), and enclose carte if possible. 8 Sharncliffe Place, Edinburgh.

WANTED, a man of experience, to take charge of the commercial and clerical department of a Sheep Dip, Disinfectant, and Chemical Works; a general knowledge of Chemistry desirable. Apply, by letter, to 2/9, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

ASSISTANT (indoors); accustomed to Prescribing and Dispensing and General Country Retail; one only kept; good references indispensable. State age, height, salary required, and usual particulars, with recent photo (to be returned), to A. Worts, Chemist, Harwich, Essex.

AT once, Junior Assistant or Improver, indoors; smart youth; comfortable home; facilities and help in study; a young man, not afraid of work, and willing to oblige, would be treated as a member of the family. State salary, experience, and references, Tom Brooks, Chemist, Hornsey, N.

LABORATORY Assistant. — Wanted, a man of good General experience, acquainted with Pill-coating and the preparation of the usual Pharmaceutical and private formulae, of about 25 years of age, and willing to go abroad. Apply, by letter, to "Colonial," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

QUALIFIED Manager for Branch (Dispensing and Photographic); must be steady, reliable man, obliging, and able to give undeniable references; to live on premises; abstainer, and with view to purchase preferred, but not essential. Apply, by letter, stating age and all particulars, and enclosing photo, to A. Pumphrey, Bristol Road, Weston-super-Mare.

WANTED, a qualified Assistant as Prescriber and Dispenser, in an Agricultural business; situation indoors; single man preferred; no Sunday duty; short hours. Write, stating salary required, giving references, and enclosing photo if possible, to George J. Chipney, High Street, Withdenhall, Suffolk.

WANTED, an Assistant, about 24 years of age, accustomed to good-class Retail and Dispensing; one seeking a permanency preferred. Apply, with full particulars as to age, height, salary, and references, to Tenson Smith, Hyde, L.V.

QUALIFIED Assistant, about 25, in good Dispensing and Retail business in University town; indoors; comfortable home. Apply, with all particulars, enclosing photo (to be returned), to Beall & Son, Chemists, Cambridge.

BRANCH Manager, by the end of January; Minor qualification; not under 25; must be a first-class Dispenser, and have had experience in good-class trade; in or outdoors. Apply, enclosing photo, stating salary required and all particulars, to A. Blackburn, 270 Moseley Road, Birmingham.

SITUATIONS WANTED.

1s. for twelve words; 6d. for every six words beyond.

JUNIOR (21); 5½ years' experience; disengaged. W. H. L., 8 London Street, Bath.

ASSISTANT or Dispenser; 6 years' experience. Fletcher, Black Horse Yard, Whitby.

AS Junior; London; good experience; disengaged February 4. G., 16 Townshend Road, N.W.

JUNIOR (21); 5 years' experience; suitable references. "Cortex," 6 Brunswick Terrace, Leeds.

QUALIFIED (24); 9 years' experience in good business. "Chemist," 16 High Street, Wandsworth.

JUNIOR or Improver; aged 21; 4 years' experience. Chapman, 359 Cleethorpes Road, Grimsby.

JUNIOR, aged 21, seeks engagement in London. Bishop, 98 Craven Park Road, Harlesden, N.W.

ASSISTANT (23); good references; Yorkshire preferred. E. P. S., 66 Swan Street, Borough, S.E.

MANAGER or Assistant; aged 39; qualified; single; good references. "Chemist," 68 George Street, Reading.

JUNIOR; time for study or evening classes; aged 23; abstainer. Bonnor, 11 St. Mary's Hill, Stamford.

ASSISTANT (21); part time; London; 5½ years' experience. J., 5 Market Square, Blaenau Ffestiniog.

LABORATORY (30); good experience and references; qualified. "Lab.," 22 Richmond Road, Bayswater.

ASSISTANT (24); Dispensing business; references. "Statin," 68 Carter Street, Walworth Road, London.

JUNIOR; excellent references; 4½ years' experience; Manchester or Liverpool preferred. Hubble, Workington.

ASSISTANT (outdoor); good knowledge of photography; references. "Alpha," 3 Villa Road, Brixton, S.W.

ASSISTANT (23); abstainer; 6½ years' experience; disengaged. Chadwick, c/o Mr. Gibbs, Chemist, Eastbourne.

JUNIOR; 4½ years' experience; disengaged; in Retail and Dispensing. R. P., Page Bank Farm, near Barrow-in-Furness.

PART-TIME; in London; Surgeon or Chemist; Minor; good references. S. W. B., 27½ Buckwell Street, Plymouth.

AS Dispenser or part-time Assistant; 15 years' experience. "Competent," 6 Northampton Square, Clerkenwell, E.C.

PART-TIME (London), near Wil's College, in return for board and lodging. "Statin," Jenkins, Chemist, Faversham.

PART-TIME; experienced, quick Dispenser and good retail; first-class references. G. H., 178 Hampstead Road, N.W.

QUALIFIED; Branch, Dispenser, or otherwise; outdoors preferred. "Spec," 1 Waltham Villas, Shirley Road, Enfield, N.

ASSISTANT; 9 years' experience; good testimonials; disengaged. "Cortex," c/o Nuthall & Co., 60 King Street, Manchester.

SITUATION wanted, in good Wholesale preferred; aged 20; over 4 years in Retail. "Uddi," 21 North Street, Maryport.

JUNIOR; 4 years' experience; London or town, where classes are held; good references. Percy Longley, 73 North Street, Leeds.

SITUATIONS WANTED—Cont.

- TEMPORARY** Manager or Senior; qualified; disengaged. "Locum," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.
- ASSISTANT**, evenings after 6; Dispense or put up Stock. "Acid," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.
- AS** Junior; aged 22; height 6 ft. 2 in.; used to good-class country trade; disengaged. Hickinbotham, Cannon Street, Shrewsbury.
- LOCUM-TENENS** or Branch Manager; Family, Mixed, or Agricultural business. P. D. S., 24 North Sherwood Street, Nottingham.
- ASSISTANT**; aged 25; height 5 ft. 6 in.; outdoors; 10 years' experience; disengaged. W. Phillips, Chestnut House, Llandovery.
- JUNIOR** (20); over 4 years' experience; total abstainer; disengaged 4th February. Address, W. J. W. Williams, Chemist, Coleford, Glos.
- MANAGER**, Assistant, or Locum-Tenens, by experienced and qualified Chemist; aged 38. Address, H. G., 160 Stockwell Road, S.W.
- DISPENSER** to Surgeon; aged 28; experienced; excellent references. R., Office of THE CHEMIST AND DRUGGIST, 42 Cannon St., E.C.
- JUNIOR** (22); first-class Dispensing and General experience; London preferred. "Nomen," c/o Messrs. Barron Harveys, Giltspur Street, London.
- LABORATORY** man; 27 years' experience in Distilling, making Pills, Ointments, Tinctures, &c.; aged 39. J. B., 107 Canseway, Banbury.
- WANTED**, situation as Junior in good-class business; Liverpool, Manchester, or London preferred. C., c/o Mr. Romd, Chemist, Southport.
- IMPROVER**; aged 19; 3 years' experience; good home; small salary. Apply, 58/3, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.
- DISPENSER**; 12 years' experience; good references; London preferred. 58/6, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.
- ASSISTANT**; qualified; aged 21; good-class business; moderate hours. "Beta," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.
- DISPENSER** or Manager; qualified; aged 30; Wholesale and Store experience; good references. "Minor," 49 Westwick Gardens, West Kensington.
- TRAVELLER**, with really first-class connection in Eastern, Midland, and Northern Counties, desires engagement. "Essence," Gamston, Retford, Notts.
- JUNIOR** (21), in London; 5 1/2 years' good-class experience; excellent references. Apply, M., Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.
- WANTED**, situation as Traveller; had 10 years' experience in the Drug Trade. 57/40, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.
- WHOLESALE**.—Experienced Counterman seeks employment (wet); could take charge if wanted; good references. C. H. B., 122 Walworth Road, London, S.E.
- ASSISTANT**, Branch or Temporary; outdoors; 20 years' experience; unqualified; disengaged. "Extractor," 5 May Villas, Sebastopol Road, Lower Edmonton, N.
- GOOD** Counterman, Prescriber, and Tooth Extractor; Stores or otherwise; married; aged 29; disengaged February 9; unqualified. S., 229 Old Kent Road, London.
- AS** Branch Manager; permanently, or by day, week, or month; unqualified, but well up; Extract Teeth; push, civility, industry. "Bicuspid," 13 Spital Walk, Chester.
- FRENCH** Assistant seeks situation in London Pharmacy; Dispense, put up stock, correspond; small salary; indoors; good character. O. Pontain, 96 Rue Montmartre, Paris.
- AS** Manager or Senior, by Pharmaceutical Chemist; well up in Agricultural preparations; country preferred; good references; disengaged. "Sumbul," 43 St. Peter's Road, Leicester.
- TEMPORARY** Manager or otherwise; Registered Chemist and Dentist; disengaged; well experienced, town and country. "Medic," 54 Gladstone Street, St. George's Road, S.E.

- AS** Senior or Manager; outdoors; first-class experience. M., 217 Milkwood Road, S.E.
- ASSISTANT**, Dispenser, or Locum-Tenens. J. H., 46 Kingsholm Villas, Gloucester.
- PART-TIME**; London, N.; mornings disengaged. H., 52 Montague Road, Dalston.
- TRAVELLER** or Collector; good reference. S., 18 The Avenue, Acre Lane, Brixton.
- EVENING**; qualified; best references; outdoors. Hughes, 1A Priory Street, Camden Town.
- LOCUM** or Permanent; aged 27; disengaged. "Extractor," 2 Horton Street, Lewisham, S.E.
- PART-TIME** or Dispenser; London; 6 years' experience. Barnes, 6 North Place, Maitlandhead.
- MANAGER** or Locum-Tenens; qualified; experienced; good references. 41 Rignall Road, Fulham.
- AS** Manager; qualified; disengaged; good appearance; aged 39. "Chemist," 42 Wrotham Road, N.W.
- WHOLESALE**.—Long Retail experience; unqualified. Tate, 100 Edinburgh Road, Walthamstow.
- A SITUATION** as Manager, with view to succession at an early date. "Pharmacist," Steine House, Brighton.
- WHOLESALE**.—Assistant requires engagement; aged 25; good references. "Mediens," 23 Castle Street, Salford.
- ASSISTANT**; up in first-class Dispensing and Retail; qualified; also Extractor. W., 126 Teniss Road, Shepherd's Bush, W.
- ASSISTANT** or Branch Manager; 14 years' good experience; disengaged end January. "A," 3 Wightman Road, Harringay, N.
- ENGAGEMENT** wanted; qualified; aged 35; 10 years' experience in responsible positions; highest references; disengaged. Waters, 12 Bonham Road, Brixton.
- AS** Manager, or Assistant to Branch, widow, or otherwise; qualified; competent; steady and reliable; best references; disengaged. "Rhei," 23 Florence Road, S.E., London.
- AGENCY** wanted by a Traveller calling upon Chemists; a few good Special Agencies. Manufacturers, please address, A. T. C., Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.
- WHOLESALE**, or to manufacture for large Retail; accustomed to steam-jans, thoroughly experienced, and good worker; disengaged shortly. E., 106 Upper Grange Road, Bermondsey, London.
- VACANCY** wanted in Wholesale house; Retail and Wholesale experience; good references; Smudries preferred; England or abroad. 60/30, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.
- UNQUALIFIED** Assistant, aged 21, seeks situation as Improver; 4 years' experience; good reference; Brighton district preferred; studying for Prelim. Address, "Poet," 3 Whitfield Street, London, W.
- TRAVELLER**.—A man, with considerable connection among the Drug trade in Belfast and North, is open to represent a good house. Reply, "Commercial," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.
- MR. READ** (5 years travelling for well-known company) is open to represent any good firm; has 4,000 present customers, leading Grocers, Druggists, Stationers, &c.; he can largely increase sales with this valuable connection. Address, 41 Needham Road, Liverpool.
- EVENING** Work, by a qualified man (Minor Exam.); as near the West of London as possible; disengaged from 5 p.m.; height 6 feet; aged 28 years; good references and experience, &c. "Student," c/o Mr. T. Martin (S. Maw, Son, & Thompson), 7-12 Aldersgate Street, E.C.
- DISPENSER**.—Third-year Student, passed Intermediate (M.B.), wishes to assist a Doctor in the evening; Dispense or Bookkeep; salary, or board and lodging in lieu of same; easy reach of hospital; highest references. J. Pole-Kitsun, University College, Gower Street.
- ADVERTISER** is anxious for situation as Managing Assistant with the object of introducing Proprietary Articles and Specialities of which he is experienced maker, and undertakes to Manufacture and put up same in attractive and saleable form; well up in every branch of the trade; reference from present employer. Denham, 37 Leopold Street, Derby.

MISCELLANEOUS.

Special charges are made for Advertisements under this heading, which can be obtained on application.

PRELIMINARY AND MINOR.

STUDENTS! Write to-day for a "Guide to Examination," gratis and post free, giving the best advice and how to prepare. Knotty Points in Latin Grammar, 1s. 6d.; Cesar Simplified, 1s.; Metric System Simplified, 1s.; How to Write an Essay, 3d.; Equations Simplified, 1s.; Student's Herbarium, 100 specimens, 7s. 6d., post free. Mr. J. Tully (Hills Prize-man), Chemist, Hastings.

WANTED, Manufacturing Opticians to send their Illustrated Catalogues, quoting lowest Wholesale rates, to Messrs. Syed Abdul Razack & Co., Chemists, &c., Hyderabad, Deccan, India.

TO Investors.—Fifteen £10 eight per cent. Preference Shares fully paid up in Warner (Limited), proprietors of Warner's Safe Cure; net profits last year £78,368; last report sent; price £7 10s. each. M., 42 Lee Park, S.E.

LANCASHIRE TAR PRODUCTS.—Capitalists and Tar Distillers are invited to join Advertiser in buying existing works, erecting new ones, and forming a company. Wanted, an experienced Chemist and Manager. Apply to C. Darnières, 16 Philpot Lane, London, E.C. Twenty-two years' connection in Tar trade.

THE ART OF DISPENSING.

This popular work treats of all the manipulative details involved in compounding medical prescriptions, special attention being given to dispensing difficulties, and to notes on new remedies.

The Book contains 280 pages. Price 3s. 6d.; by post, 3s. 10d.

THE HANDY-BOOK OF MEDICINE STAMP DUTY.

This work has been written for us by Mr. E. N. Alpe, of the Solicitor's Department, Inland Revenue Office, Somerset House, who has had a wide experience in, and intimate knowledge of, the administration of the Acts which regulate the sale of proprietary medicines.

The most recent modifications in the law and practice relating to medicine stamp-duty are incorporated in a Supplement which has been added to this work.

Contains 142 pages. Price 2s. 6d.; by post, 2s. 9d.

A MANUAL OF PHARMACEUTICAL TESTING.

Comprising simple instructions for the Testing of the Chemicals of the British Pharmacopœia, &c., with such materials and appliances as are in common use at the dispensing counter. By BARNARD S. PROCTOR, F.I.C.

The Book contains 176 pages. Price 2s. 6d.; by post, 2s. 9d.

VETERINARY COUNTER PRACTICE.

There is probably no development of the drug trade which has so much money in it potentially as the treatment of animals. It is to be an aid to chemists and druggists in providing them with advice regarding the diseases and treatment of the horse, cattle, sheep, and other animals, that we have had this "Veterinary Counter Practice" compiled; and we think the instances will be few indeed in which it will fail to pay for itself in the first week or two after purchase.

Nearly 300 pages. Illustrated. 3s. 6d.; by post, 3s. 9d.

PHARMACY AND POISON LAWS OF THE UNITED KINGDOM.

Indispensable to every pharmacist, and a necessary part of the technical education of every chemist's apprentice.

Price 2s. 6d.; post free, 2s. 9d.

Published at the Offices of
"THE CHEMIST AND DRUGGIST," 42 CANNON STREET, LONDON, E.C.

BUSINESSES FOR DISPOSAL—Cont.

LONDON, W.—Suburban Family Dispensing and Prescribing Business; established 20 years, and returning over £900 a year; rent £60; price £650; the shop is well fitted in mahogany, and the house is large and very conveniently arranged; satisfactory reasons for selling. P. T., Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

PRESCRIBING Chemists or Surgeons. Branch, home county, in suburb of large town, containing 30,000 population, 8,000 near shop; no other Chemist, and only one Medical man within one-third mile; 8-roomed house; rent £32; price to immediate purchaser, £100, or valuation. Address, "Dens," Avondale House, 184 Dalston Lane, London, N.E.

ONE hour from London. — Handsomely-fitted Pharmacy; returns approaching £800 last year, which will be £1,000 this; best position in town; rent £80; very valuable long lease, or a Partner would be entertained, as the principal has other business to attend to; references exchanged. "Antipyrin," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

BUSINESSES WANTED.

3s. 6d. for fifty words; 6d. for every 10 words beyond.

WANTED. Light Retail, giving a net profit of from £250 to £400; no business will be entertained that will not bear investigation; references exchanged. Apply, in the first instance, to S. S. R., Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

ADVERTISER, who has just sold his business in London, is very anxious to meet with a good and reliable Business in the provinces; has capital up to nearly £1,500, but would not object to a smaller Business, if with scope for development. "Pharmacist," c/o Messrs. Meggeson & Co., 14 Miles Lane, London.

IMMEDIATELY, near London, a Family, Retail, and Dispensing Business, showing a return of not less than £700; or a partnership in a larger business with a view to succession would be preferred; cash ready up to £1,400. Send full particulars, in confidence, to Mr. Owen, Chemist, 488 Hornsey Road, London, N.

PARTNERSHIPS.

3s. 6d. for fifty words; 6d. for every 10 words beyond.

A CHEMIST, established in London for nearly 40 years, is desirous of retiring from business, on account of age; he would take a Partner, or could let the business on moderate terms. Address, A. L., 109 Sydney Street, Chelsea.

PARTNERSHIP.—Gentleman wanted, with about £300 capital, to join Advertiser to establish a business in Bradford district, on Store principle; at once, if required. 61/34, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

TO LET.

3s. 6d. for fifty words; 6d. for every 10 words beyond.

CHEMISTS and Druggist's Shop, with Wine and Spirit licence. 53/28, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

LEEDS (Briggate).—To Let, in the very centre of this populous town, Stockrooms, from £1 per month; free from taxes. Further particulars, write Mosley, Rent Collector, 6 Wormald Row.

TO Chemists and Druggists. — A small corner shop in prominent position; well adapted for above, for which there is a grand opening for first-class man only; rent low. Particulars of Sutton Abbott, Auctioneer, The Mall, Wanstead.

APPRENTICESHIPS.

3s. 6d. for fifty words; 6d. for every 10 words beyond.

R. P. ROBERTS, Pharmaceutical Chemist, 13 Church Street, Canterbury, has a vacancy for a well-educated Youth as an Apprentice, indoors; low premium; short hours, and assistance in his studies.

APPRENTICE wanted, in large town, one hour from London; good home; time for study and recreation; references to former pupils; moderate premium. Montague, c/o Messrs. Hill & Son, 101 Southwark Street, London, S.E.

FOR SALE.

3s. 6d. for fifty words; 6d. for every 10 words beyond.

FOR disposal, small Druggist's Smidry Stock and Business, with several Proprietaries; terms moderate. Address, "Chemists," c/o 15 Penley's Grove Street, York.

STOCK, Fixtures, and Fittings (Cabinets, &c.) of small Chemist's Retail to be disposed of at once; good opportunity for one commencing; about £40 required. 31/22, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

CHEMISTS and Druggists. — Corner Shop, Shaftesbury Park, Laver Hill, S.W.; as a going concern; stock, fixtures, and goodwill at a moderate figure; low rent; the only Chemist's on the estate; good opportunity for an enterprising man. Apply to Secretary, The Artisans' Dwellings Company (Lim.), 16 Great George Street, Westminster, S.W.

TO be sold immediately, the fixtures and fittings of four first-class Chemists' Shops, including several ranges of mahogany-fronted drawers, fitted with glass labels; six massive mahogany dispensing-screens with embossed mirror in centre; 10 mahogany bent-glass counter-cases, fitted with sliding trays and serving-shelf above; six mahogany counters, fitted with drawers; also a large quantity of wall-cases. To be sold at a vast sacrifice, waiting room. Edwards & Fothergill, Old Haymarket, Liverpool.

SITUATIONS OPEN.

3s. 6d. for fifty words; 6d. for every 10 words beyond.

AT once, a qualified Assistant (outdoors); hours easy; no Sunday duty. Apply, with references, to J. Clare, Chemist, Darlington.

A QUALIFIED Assistant, to fill a responsible situation; must be a good Counterman. Apply, stating usual particulars (enclose photo, to be returned), J. Burton, Chemist, Llandudno.

WANTED, at once, an Assistant well up in Dispensing and Retail; aged about 25. Apply personally, either afternoon or evening, to Reece & Co., 53 Great Marylebone Street, London, W.

QUALIFIED Assistant for branch in London suburb, to take charge; must be good tooth extractor. Full particulars to "Chemists," c/o Messrs. Barron, Harveys & Co., Giltspur Street, London.

IMPROVER or Junior wanted in a first-class Retail and Dispensing business; indoors; short hours. Apply, stating age, height, salary, required, and references, to Metcalfe, Pharmaceutical Chemist, Hfll.

JUNIOR Invoice Clerk; aged about 16; must be quick figurer and neat writer; commencing wages about 15s., according to capabilities. Apply, by letter, Chemists' Association (Lim.), Curtain Road, London, E.C.

WANTED, February 1, a Junior Assistant, well up in Dispensing; 2 kept; time allowed for study, if required; abstainer preferred; good references. Apply, with references, salary, &c., to Lukeman, Chemist, Leytonstone.

WANTED, an experienced Junior (indoors) for a Light Retail and Dispensing business. State full particulars as to age, height, experience, salary required, and enclose photo, to H. Althorp, Chemist, Peterborough.

QUALIFIED Assistant, with good references, having 2 or 3 days a week at liberty, may hear of a further engagement by addressing W. J. & Co., c/o Mr. Shaw, 403 Oxford Street, W. Please state what days at liberty, age, height, &c.

WANTED, immediately (outdoors), young man, chiefly to put up Stock; hours 9 to 9, Saturday 10; must be neat; only good workers, possessing reliable references, need apply. Vause's First-Class Drug Stores, Edgware Road, W.

END of January; thoroughly reliable Senior Assistant; accustomed to first-class Dispensing; outdoors. State age, experience, salary required, and references, to J. H. Hackett, Pharmaceutical Chemist, 29 Christ Church Road, Birkenhead.

WANTED, thoroughly practical man to take charge of a Wholesale Druggist's Laboratory; must have had experience; state salary, references, and usual particulars. F. W., Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

QUALIFIED Assistant wanted, for high-class Dispensing business in London suburb; West-end experience preferred; aged about 26. Full particulars, with photo and salary required, to X., Messrs. Wright, Layman & Dancy, Southwark, S.E.

JUNIOR, about 20; only 1 kept; good-class country trade, with little "stationery"; easy hours, and no Sunday duty; salary £30; must be able to Dispense, and have passed Preliminary; state how long in last situation, experience in trade, age, height, and reference, and when at liberty. Smart, Littlehampton.

SITUATIONS OPEN—Cont.

INDIA.—Wanted, by a firm of Wholesale Druggists, a Representative to travel in India; passage paid out and home; salary according to capacity, and preference given to a gentleman who has had Eastern experience. "Sigma," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

EVENING WORK.—An Assistant (aged about 23) required for 3 or 4 hours each evening. Apply, personally, 390 Walworth Road, S.E.

JUNIOR wanted; one use to Store trade preferred; no night or Smidry duties; outdoors. State full particulars to Blunt's Drug Co., Northampton.

WANTED, a Junior Assistant (indoors); 2 kept. Apply, stating age, salary, and references, to H. Byett (late Tomlinson & Hayward), 6 Bailgate, Lincoln.

WANTED, immediately, a good Junior Assistant, aged about 23, for a few weeks, to supply a vacancy through illness; salary £40 (indoors); enclose full particulars of experience, carte, and reference. "Radix," 90 Western Road, Brighton.

WANTED, at once, Manager for business in working-class neighbourhood; qualified; to live on premises; good references; if married state family. Apply, giving age, salary required, &c., to Bunker, 135 Great Dover Street, S.E.

MANAGER, qualified, for country cash business near London, by middle of February; steady, active, and reliable, with good all-round experience; hours easy; permanent position to suitable man. Send full particulars and references with photo, to "Encalyptus," c/o Edwards & Son, Queen Victoria Street, E.C.

YOUTH wanted, in a Wholesale Business; a sharp, intelligent youth, of from 16 to 18, who has had some experience in the routine of a Chemist's business; hours 8 A.M. to 6 P.M. Apply (by letter only), stating particulars and salary required, to The Manager, H. & T. Kirby & Co. (Limited), 14 Newman Street, London, W.

IMMEDIATE vacancies for a qualified Assistant and a part-time Assistant; must have good appearance and address and good references. Apply, enclosing photo and stating age, height, salary required, and experience, to "London, S.W.," c/o Messrs. Meggeson & Co., Miles Lane, Upper Thames Street, E.C.

CHEMIST'S Assistant wanted, for the Dublin Branch of a large West-end establishment; only thoroughly competent men need apply. Address, stating age, references, and salary (outdoors) required, to F. J., c/o Street & Co., 30 Cornhill, E.C.

TRAVELLERS, desiring an additional Commission, wanted, to appoint Agents amongst Chemists for one of the best-known packet Ceylon Teas in the market; liberal terms. Apply, with full particulars, to Cave, Johnson & Co., 8 Lime Street, London, E.C.

MESSRS. INMAN & CO., are in want of experienced Counter hand; quick and obliging, steady; permanent situation; no Sunday duty; state full particulars of previous engagements, salary (outdoors), and enclose carte if possible. 8 Shandwick Place, Edinburgh.

WANTED, a man of experience, to take charge of the commercial and clerical department of a Sheep Dip, Disinfectant, and Chemical Works; a general knowledge of Chemistry desirable. Apply, by letter, to 2/9, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

ASSISTANT (indoors); accustomed to Prescribing and Dispensing and General Country Retail; one only kept; good references indispensable. State age, height, salary required, and usual particulars, with recent photo (to be returned), to A. Worts, Chemist, Harwich, Essex.

AT once, Junior Assistant or Improver, indoors; smart youth; comfortable home; facilities and help in study; a young man, not afraid of work, and willing to oblige, would be treated as a member of the family. State salary, experience, and references, Tom Brooks, Chemist, Hornsey, N.

LABORATORY Assistant. — Wanted a man of good General experience, acquainted with Pill-coating and the preparation of the usual Pharmaceutical and private formulae, of about 25 years of age, and willing to go abroad. Apply, by letter, to "Colonial," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

QUALIFIED Manager for Branch (Dispensing and Photographic); must be steady, reliable man, obliging, and able to give moderate references; to live on premises; abstainer, and with view to purchase preferred, but not essential. Apply, by letter, stating age and all particulars, and enclosing photo, to A. Pamphrey, Bristol Road, Weston-super-Mare.

WANTED, a qualified Assistant, as Prescriber and Dispenser, in an Agricultural business; situation indoors; single man preferred; no Sunday duty; short hours. Write, stating salary required, giving references, and enclosing photo if possible, to George J. Chipney, High Street, Mildenhall, Suffolk.

WANTED, an Assistant, about 24 years of age, accustomed to good-class Retail and Dispensing; one seeking a permanency-preferred. Apply, with full particulars as to age, height, salary, and references, to Tension Smith, Ryde, I.W.

QUALIFIED Assistant, about 25, in good Dispensing and Retail business in University town; indoors; comfortable home. Apply, with all particulars, enclosing photo (to be returned), to Beall & Son, Chemists, Cambridge.

BRANCH Manager, by the end of January; Minor qualification; not under 25; must be a first-class Dispenser, and have had experience in good-class trade; in or outdoors. Apply, enclosing photo, stating salary required and all particulars, to A. Blackburn, 270, Moseley Road, Birmingham.

SITUATIONS WANTED.

1s. for twelve words; 6d. for every six words beyond.

JUNIOR (21); 5½ years' experience; disengaged. W. H. L., 8 London Street, Bath.

ASSISTANT or Dispenser; 6 years' experience. Fletcher, Black Horse Yard, Whitby.

A S Junior; London; good experience; disengaged February 4. G., 16 Townshend Road, N.W.

JUNIOR (21); 5 years' experience; suitable references. "Cortex," 6 Brunswick Terrace, Leeds.

QUALIFIED (24); 9 years' experience in good business. "Chemist," 16 High Street, Wandswoth.

JUNIOR or Improver; aged 21; 4 years' experience. Chapman, 359 Cleethorpes Road, Grimsby.

JUNIOR, aged 21, seeks engagement in London. Bishop, 96 Cravan Park Road, Harlesden, N.W.

ASSISTANT (23); good references; Yorkshire preferred. E. P. S., 66 Swan Street, Borough, S.E.

MANAGER or Assistant; aged 39; qualified; single; good references. "Chemist," 68 George Street, Reading.

JUNIOR; time for study or evening classes; aged 23; abstainer. Bomor, 11 St. Mary's Hill, Stamford.

ASSISTANT (21); part time; London; 5 years' experience. J., 5 Market Square, Blaenau Ffestiniog.

LABORATORY (30); good experience and references; qualified. "Lab.," 22 Richmond Road, Bayswater.

ASSISTANT (24); Dispensing business; references. "Statin," 68 Carter Street, Walworth Road, London.

JUNIOR; excellent references; 4½ years' experience; Manchester or Liverpool preferred. Hubble, Worthington.

ASSISTANT (outdoor); good knowledge of photography; references. "Alpha," 3 Villa Road, Brixton, S.W.

ASSISTANT (23); abstainer; 6½ years' experience; disengaged. Chadwick, c/o Mr. Gibbs, Chemist, Eastbourne.

JUNIOR; 4½ years' experience; disengaged; in Retail and Dispensing. R. P., Page Bank Farm, near Barrow-in-Furness.

PART-TIME; in London; Surgeon or Chemist; Minor; good references. S. W. B., 27½ Backwell Street, Plymouth.

A S Dispenser or part-time Assistant; 15 years' experience. "Competent," 6 Northampton Square, Clerkenwell, E.C.

PART-TIME (London), near Wilts' College, in return for board and lodging. "Statin," Jenkins, Chemist, Faversham.

PART-TIME; experienced, quick Dispenser and good retail; first-class references. G. H., 178 Hampstead Road, N.W.

QUALIFIED; Branch, Dispenser, or otherwise; outdoors preferred. "Spec," 1 Wotton Villas, Shirley Road, Fitchell, N.

ASSISTANT; 9 years' experience; good testimonials; disengaged. "Cortex," c/o Nutter & Co., 60 King Street, Manchester.

SITUATION wanted, in good Wholesale preferred; aged 20; over 4 years in Retail. "Dipl.," 21 North Street, Maryport.

JUNIOR; 4 years' experience; London or town where classes are held; good references. Percy Langley, 73 North Street, Leeds.

SITUATIONS WANTED—Cont.

TEMPORARY Manager or Senior; qualified; disengaged. "Locum," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

ASSISTANT, evenings after 6; Dispense or put up Stock. "Acid," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

AS Junior; aged 22; height 6 ft. 2 in.; used to good-class country trade; disengaged. Hickinbotham, Cannon Street, Shrewsbury.

LOCUM-TENENS or Branch Manager; Family, Mixed, or Agricultural business. P. D. S., 24 North Sherwood Street, Nottingham.

ASSISTANT; aged 25; height 5 ft. 6 in.; outdoors; 10 years' experience; disengaged. W. Phillips, Chestnut House, Llandoverly.

JUNIOR (20); over 4 years' experience; total abstainer; disengaged 4th February. Address, W. J. W., Williams, Chemist, Coleford, Glos.

MANAGER, Assistant, or Locum-Tenens, by experienced and qualified Chemist; aged 38. Address, H. G., 160 Stockwell Road, S.W.

DISPENSER to Surgeon; aged 28; experienced; excellent references. R., Office of THE CHEMIST AND DRUGGIST, 42 Cannon St., E.C.

JUNIOR (22); first-class Dispensing and General experience; London preferred. "Nomen," c/o Messrs. Barron Harveys, Giltspur Street, London.

LABORATORY man; 27 years' experience in Distilling, making Pills, Ointments, Tinctures, &c.; aged 39. J. B., 107 Causeway, Baitbury.

WANTED, situation as Junior in good-class business; Liverpool, Manchester, or London preferred. C., c/o Mr. Romil, Chemist, Southport.

IMPROVER; aged 19; 3 years' experience; good home; small salary. Apply, 58/9, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

DISPENSER; 12 years' experience; good references; London preferred. 58/6, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

ASSISTANT; qualified; aged 21½; good-class business; moderate hours. "Beta," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

DISPENSER or Manager; qualified; aged 30; Wholesale and Store experience; good references. "Minor," 49 Westwick Gardens, West Kensington.

TRAVELLER, with really first-class connection in Eastern, Midland, and Northern Counties, desires engagement. "Essence," Gamston, Retford, Notts.

JUNIOR (21), in London; 5½ years' good-class experience; excellent references. Apply, M., Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WANTED, situation as Traveller; had 10 years' experience in the Drug Trade. 57/40, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WHOLESALE.—Experienced Counterman seeks employment (wet); could take charge if wanted; good references. C. H. B., 122 Walworth Road, London, S.E.

ASSISTANT, Branch or Temporary; outdoors; 20 years' experience; unqualified; disengaged. "Extractor," 5 May Villas, Sebastopol Road, Lower Edmonton, N.

GOOD Counterman, Prescriber, and Tooth Extractor; Stores or otherwise; married; aged 29; disengaged February 9; unqualified. S., 289 Old Kent Road, London.

AS Branch Manager; permanently, or by day, week, or month; unqualified, but well up; Extract Teeth; push, civility, industry. "Bicuspid," 13 Spital Walk, Chester.

FRENCH Assistant seeks situation in London Pharmacy; Dispense, put up stock, correspond; small salary; indoors; good character. O. Pontain, 96 Rue Montmartre, Paris.

AS Manager or Senior, by Pharmaceutical Chemist; well up in Agricultural preparations; country preferred; good references; disengaged. "Sumbul," 43 St. Peter's Road, Leicester.

TEMPORARY Manager or otherwise; Registered Chemist and Dentist; disengaged; well experienced, town and country. "Medicus," 54 Gladstone Street, St. George's Road, S.E.

AS Senior or Manager; outdoors; first-class experience. M., 217 Milkwood Road, S.E.

ASSISTANT, Dispenser, or Locum-Tenens. J. H., 46 Kingsholm Villas, Gloucester.

PART-TIME; London, N.; mornings disengaged. H., 52 Montague Road, Dalston.

TRAVELLER or Collector; good reference. S., 18 The Avenue, Acre Lane, Brixton.

EVENING; qualified; best references; outdoors. Hughes, 1A Priory Street, Camden Town.

LOCUM or Permanent; aged 27; disengaged. "Extractor," 2 Horton Street, Lewisham, S.E.

PART-TIME or Dispenser; London; 6 years' experience. Barnes, 6 North Place, Maidenhead.

MANAGER or Locum-Tenens; qualified; experienced; good references. 41 Rignall Road, Fulham.

AS Manager; qualified; disengaged; good appearance; aged 39. "Chemist," 42 Wrotham Road, N.W.

WHOLESALE.—Long Retail experience; unqualified. Tate, 100 Edinburgh Road, Walthamstow.

A SITUATION as Manager, with view to succession at an early date. "Pharmacist," Steine House, Brighton.

WHOLESALE.—Assistant requires engagement; aged 25; good references. "Medicus," 23 Castle Street, Slough.

ASSISTANT; up to first-class Dispensing and Retail; qualified; also Extractor. W., 126 Teniss Road, Shepherd's Bush, W.

ASSISTANT or Branch Manager; 14 years' good experience; disengaged end January. "A," 3 Wightman Road, Harringway, N.

ENGAGEMENT wanted; qualified; aged 35; 10 years' experience in responsible positions; highest references; disengaged. Waters, 12 Bonham Road, Brixton.

AS Manager, or Assistant to Branch, widow, or otherwise; qualified; competent; steady and reliable; best references; disengaged. "Rhei," 23 Florence Road, S.E., London.

AGENCY wanted by a Traveller calling upon Chemists; a few good Special Agencies. Manufacturers, please address, A. T. C., Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WHOLESALE, or to manufacture for large Retail; accustomed to steam-pans, thoroughly experienced, and good worker; disengaged shortly. E., 106 Upper Grange Road, Bernoldsey, London.

VACANCY wanted in Wholesale house; Retail and Wholesale experience; good references; Sundries preferred; England or abroad. 60/30, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

UNQUALIFIED Assistant, aged 21, seeks situation as Improver; 4 years' experience; good reference; Brighton district preferred; studying for Prelim. Address, "Poet," 3 Whitfield Street, London, W.

TRAVELLER.—A man, with considerable connection among the Drug trade in Belfast and North, is open to represent a good house. Reply, "Commercial," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

MR. READ (5 years travelling for well-known company) is open to represent any good firm; has 4,000 present customers, leading Grocers, Druggists, Stationers, &c.; he can largely increase sales with this valuable connection. Address, 41 Needham Road, Liverpool.

EVENING Work, by a qualified man (Minor Exam.); as near the West of London as possible; disengaged from 5 p.m.; height 6 feet; aged 28 years; good references and experience, &c. "Student," c/o Mr. T. Martin (S. Maw, Son, & Thompson), 7-12 Aldersgate Street, E.C.

DISPENSER.—Third-year Student, passed Intermediate (M.B.), wishes to assist a Doctor in the evening; Dispense or Bookkeep; salary, or board and lodging in lieu of same; easy reach of hospital; highest references. J. Pole-Kitson, University College, Gower Street.

ADVERTISER is anxious for situation as Managing Assistant with the object of introducing Proprietary Articles and Specialities of which he is experienced maker, and undertakes to Manufacture and put up same in attractive and saleable form; well up in every branch of the trade; reference from present employer. Denham, 37 Leopold Street, Derby.

MISCELLANEOUS.

Special charges are made for Advertisements under this heading, which can be obtained on application.

PRELIMINARY AND MINOR.

STUDENTS! Write to-day for a "Guide to Examination," gratis and post free, giving the best advice and how to prepare. Knolly Points in Latin Grammar, 1s. 6d.; Caesar Simplified, 1s.; Metric System Simplified, 1s.; How to Write an Essay, 3d.; Equations Simplified, 1s.; Student's Herbarium, 100 specimens, 7s. 6d., post free. Mr. J. Tully (Hills Prize-man), Chemist, Hastings.

WANTED, Manufacturing Opticians to send their Illustrated Catalogues, quoting lowest Wholesale rates, to Messrs. Syed Abdul Razzaek & Co., Chemists, &c., Hyderabad, Deccan, India.

TO Investors.—Fifteen £10 eight per cent. Preference Shares fully paid up in Warner (Limited), proprietors of Warner's Safe Cure; net profits last year £78,368; last report sent; price £7 10s. each. M., 42 Lee Park, S.E.

LANCASHIRE TAR PRODUCTS.—Capitalists and Tar Distillers are invited to join Advertiser in buying existing works, erecting new ones, and forming a company. Wanted, an experienced Chemist and Manager. Apply to C. Darnley, 16 Philip Lane, London, E.C. Twenty-two years' connection in Tar trade.

THE ART OF DISPENSING.

This popular work treats of all the manipulative details involved in compounding medical prescriptions, special attention being given to dispensing difficulties, and to notes on new remedies.

The Book contains 280 pages. Price 3s. 6d.; by post, 3s. 10d.

THE HANDY-BOOK OF MEDICINE STAMP DUTY.

This work has been written for us by Mr. E. N. Alpe, of the Solicitor's Department, Inland Revenue Office, Somerset House, who has had a wide experience in, and intimate knowledge of, the administration of the Acts which regulate the sale of proprietary medicines.

The most recent modifications in the law and practice relating to medicine stamp duty are incorporated in a Supplement which has been added to this work.

Contains 142 pages. Price 2s. 6d.; by post, 2s. 9d.

A MANUAL OF PHARMACEUTICAL TESTING.

Comprising simple instructions for the Testing of the Chemicals of the British Pharmacopœia, &c., with such materials and appliances as are in common use at the dispensing counter. By BARNARD S. PROCTOR, F.I.C.

The Book contains 176 pages. Price 2s. 6d.; by post, 2s. 9d.

VETERINARY COUNTER PRACTICE.

There is probably no development of the drug trade which has so much money in it potentially as the treatment of animals. It is to be an aid to chemists and druggists in providing them with advice regarding the diseases and treatment of the horse, cattle, sheep, and other animals, that we have had this "Veterinary Counter Practice" compiled; and we think the instances will be few indeed in which it will fail to pay for itself in the first week or two after purchase.

Nearly 300 pages. Illustrated. 3s. 6d.; by post, 3s. 9d.

PHARMACY AND POISON LAWS OF THE UNITED KINGDOM.

Indispensable to every pharmacist, and a necessary part of the technical education of every chemist's apprentice.

Price 2s. 6d.; post free, 2s. 9d.

Published at the Offices of
"THE CHEMIST AND DRUGGIST," 42 CANNON STREET, LONDON, E.C.

Printed by STORMS WOOD & Co., New-Street Square; and Published at the Office, 42 Cannon Street, in the City of London.—January 14, 1893.

CHARLES DELAGRE & CO.

(Established 1853),

Pharmacists and Sundriesmen, Wholesale Druggists,
BRUSSELS.

General Agents for Belgium and Holland for—

ARMOUR & CO., Digestive
Ferments.**BURROUGHS, WELL-
COME & CO.,** "Tabloids."**E. B. ESTES & SONS,**
Turned Wood Boxes.**JOHN M. RICHARDS,**
Lacto Peptine.**SCOTT & BOWNE,** Emul-
sion of Pure Cod Liver Oil.
SHIRLEY BROS., Menthol
Cones.**H. H. WARNER & CO., Lim.,**
Safe Cure Medicines.**A. J. WHITE, Limited,**
Mother Seigel's Syrup
and Pills. [1]**GLASS BOTTLES****GOOD AND CHEAP.****SPECIAL PACKAGE** for the New Year, 1893,
containing—

		s.	d.
1	CROSS 8-OZ. BOTTLES	..	.. 9 0
2	" 6-OZ. "	..	.. 18 0
1	" 4-OZ. "	..	.. 8 0
	PACKAGE	..	.. 1 0
		£1	16 0

The New Shape with rounded edges, or the ordinary
shape, either plain or graduated.The above "Special Package" is sent, Carriage Free, to
any part of England.**A SAMPLE BOTTLE SENT FREE ON APPLICATION.****I. ISAACS & CO.,** Glass Bottle Manufacturers,
25 Francis St., Tottenham Court Rd., LONDON, W.C.
*Established 60 Years. Bankers—London and Westminster Bank.***AUSTIN & CO.**Patentees and Manufacturers of **FANCY CARD****ROUND, OVAL, AND SQUARE SHAPED BOXES****FOR POSTAL AND GENERAL PURPOSES.****ALSO PATENT BARREL PACKAGES WITH METAL ENDS, FOR DRY GOODS,**
AND*Makers of best class of Violet Powder Boxes, and high-class goods of
every description for Perfumery, &c.***8 GREVILLE ST., HATTON GARDEN, LONDON, E.C.**

STEAM WORKS, 2 PRINTER'S BUILDINGS.

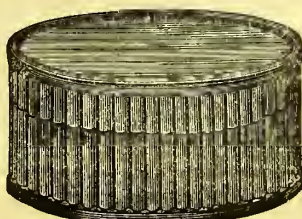
[2]

THE "STIPENDUM" STOPPER CO., LIM.**47 LAMB'S CONDUIT STREET, LONDON, W.C.,**

Manufacture the following Specialities—

"STIPENDUM" CORK STOPPERS, in all sizes.**"STIPENDUM" CORK-LINED CAPS,** for Pomade Bottles.**"STIPENDUM" SCREW CAPS,** for Pomade Bottles.**"STIPENDUM" OPENERS,** for Stopped Aërated Water Bottles.**"STIPENDUM" GREASE-PROOF COVERED POTS****IN TERRA COTTA, CHOCOLATE, AND BLACK.**The Grease-Proof Covered Pots have perfectly fitting lids, are practically unbreakable, and the only
article really answering the purpose intended.The following Analytical Report should be noted by
the trade:—

London, January 5, 1891.

"We have examined the two covered pots marked
November 21, 1890, one containing strong nitrate of
mercury ointment, and the other iodine ointment, the
object being to discover—(1) Whether the ingredients
of which the pots are composed have in any way
affected the ointments; (2) Whether the pots have
been deteriorated by the action of the ointments.We hereby certify that no trace of any of the
ingredients of the pot can be discovered in either of
the ointments, and further that the pots themselves
were found not to have been acted on at all; and we
further consider 'Stipendum' admirably adapted for
such pharmaceutical preparations.

Signed, C. T. KINGZETT, F.I.C., F.O.S.

(Ex Vice-President Society of Public Analysts)

R. H. HARLAND, F.I.C., F.O.S.,
(Public Analyst)."

To be had of all Druggists' Sundriesmen.

Wholesale only of the Company.

BOSISTO'S
"STANDARD TEST"
Eucalyptus Oil.

SPEC. GRAV. 0.915
AT A TEMPERATURE OF 15° CENTIGRADE
BOILING-POINT PRINCIPAL FRACTION
174° TO 177° CENTIGRADE.

PARROT BRAND
REGISTERED
TRADE-MARK

ROTATES POLARIZED LIGHT
TO THE RIGHT (+3.5)
DISSOLVES 20 PER CENT.
OF SALICYLIC ACID.

This Oil is the product of FRESH EUCALYPTUS Foliage, obtained from the Desert Species, DUMOSA and OLEOSA, and yields under proper treatment—

35 per cent. Water-white Crystallizable Eucalyptol, having the Specific Gravity 0.920, Temp. 15° Cent., Crystallizing at—14° Cent., and Re-melting at—1° Cent.

BOSISTO'S EUCALYPTUS OIL RECEIVED THE SILVER MEDAL OF THE SOCIETY OF ARTS, LONDON, FOR THE INTRODUCTION INTO COMMERCE OF THE ESSENTIAL OIL OF THE EUCALYPTUS FROM AUSTRALIA, 1886, AND HAS BEEN AWARDED AT THE VARIOUS EUROPEAN, AMERICAN AND AUSTRALIAN EXHIBITIONS SINCE 1863.

10 GOLD MEDALS, 8 SILVER MEDALS, 18 BRONZE MEDALS,
AND ALSO SPECIAL RECOMMENDATION FOR THE EMPEROR OF GERMANY'S 700 GUINEA PRIZE, 1881.

J. BOSISTO & CO
DISTILLERS OF ESSENTIAL OILS FROM AUSTRALIAN VEGETATION
RICHMOND, MELBOURNE.

Supplied by all Wholesale Druggists, or in original Cases only, containing either Thirty-six 1-lb. Bottles, or Twenty-five 2 lb. Bottles, by the

SOLE WHOLESALE AGENTS,
GRIMWADE, RIDLEY & CO., 82 BISHOPSGATE STREET, LONDON.

BICKFORD'S EUCALYPTUS OIL

25-lb. Tins.

KANGAROO



TRADE MARK.

25-lb. Tins.

BRAND.

Is admitted to be the Purest Eucalyptus Oil yet introduced to the public.
To be obtained of your Wholesale Druggist.

SOLE CONSIGNEES—LAUGHLAND, MACKAY & BAKER, 50 Lime St., LONDON.

COLONIAL ADDRESS—A. M. BICKFORD & SONS, WHOLESALE DRUGGISTS, 46 CURRIE STREET, ADELAIDE.

TASMANIAN EUCALYPTUS OIL COMPANY.

TRADE MARK.

Obtained
First Award
and
Gold Medal

1891-92.



at the
Tasmanian
Exhibition.

1891-92.

DISTILLERS OF ABSOLUTELY PURE

OIL OF EUCALYPTUS GLOBULUS

From the Native "Blue Gum" Tree of Tasmania. Pure fragrant, and of highest medicinal value, as shown by H. Helbing, F.C.S., and Dr. Passmore.

Put up in Bottles containing 1½, 4, and 8 oz., for Retailing at 1/-, 2/6, 4/6

Also in 1-lb and 2-lb. Bottles, for Dispensing.

EUCALYPTUS PASTILLES,

For Throat and Voice. In Boxes, 1/- each.

For samples and Helbing's *Pharmacological Record*, write to the London Offices—138 Leadenhall St., E.C.

THOMAS BIGG'S EMBROCATIONS.

FOR HUMAN USE.

For Sprains, Bruises, Cuts,
Chest Colds, Sore Throat,
Rheumatism, &c.

FOR VETERINARY USE.

For Sprains, Kicks, Cuts, Rheumatism, Prevention of Splints, Curb, and Spavin, Saddle and Shoulder Galls, and Garget in Cows and Ewes.

For Terms, Showcards, and Circulars, apply at

Leicester House, Great Dover Street, Borough, LONDON

PARAFFINUM MOLLE, B.P.

ABSOLUTELY FREE FROM ALKALI
ABSOLUTELY FREE FROM ACID

HAS NOW STOOD THE
TEST OF YEARS,
AND
ESTABLISHED
ITSELF
AS

PETROLINA
MANUFACTURED IN AMERICA.
the best,
The purest
The leading,
& The cheapest
Petroleum Jelly
Supplied by oil
Wholesalers. In Casks of 3 cwt.
In Kegs of 1 cwt., ½ cwt., and ¼ cwt.
In Tins of 14 lbs., 5 lbs., and 1 lb.
In bottles (without Labels) of 2 oz. and 4 oz.

BINCHAMTON OIL REFINING CO., NEW
YORK STATE, U.S.A.

London Agency—3 COLEMAN ST., E.C.

PARIS EXHIBITION, 1889.

PRIZE MEDAL AWARDED TO



"SALVO PETROLIA"

Absolutely Genuine Paraffinum Molle of the very Purest Form, and we claim that it is superior to Vaseline.

Manufactured by the Proprietors in Five distinct qualities—
WHITE, LEMON, YELLOW, GOLDEN, AND VETERINARY.
PACKED IN TINS, 1, 5, 10, 14, 28, 56, and 112 lbs. Also in 3-cwt. Casks.

"OLEUM DEELINÆ"

(REGISTERED).

Universally adopted by the Medical Profession for
**OPHTHALMIA, SCURVY, RINGWORM, ECZEMA,
AND ALL SKIN-DISEASES.**

For External and Internal Irritation of every kind.

PACKED IN CASES—

One Doz. 1s. 6d. Bottles; One Doz. 2s. 6d. Bottles.

Pint Bottles, 4s. 6d. each, for Hospitals and Dispensing Chemists.

TESTIMONIALS MAY BE HAD UPON APPLICATION.

"Edible Salvo Petrolia"

For Public Speakers, Actors, and Singers.
1s. 6d. per Tube.

The above are Manufactured Solely by the Proprietors.

THE DEE OIL COMPANY. LIMITED.

Works—SALTNEY, CHESTER.

OFFICES—

LONDON—38 LEADENHALL STREET, E.C.

Liverpool, Dublin, Manchester, Glasgow, Hull, Cardiff,
Bristol, Belfast, Barrow-in-Furness, Nottingham,
Paris, Hamburg &c.

"THE LEADING HOUSE"

FOR "PRIVATE BRANDS"

DE-HYDRATED AND SUPERFATTED SOAPS.

35 DANBURY ST., Islington, London, N.

H. BRONNLEY & CO., LARGEST TOOTH SOAP
COMPRESSERS IN THE WORLD.

WHITE AND SOUND TEETH.

JEWSBURY & BROWN'S

ORIENTAL TOOTH PASTE.



This old-established and increasingly favourite Dentifrice has been over Sixty Years before the Public. It is warranted to retain its properties and keep in good condition in any climate. The original and only genuine is manufactured solely by

JEWSBURY & BROWN, Chemists, MANCHESTER,

and is distinguishable by the Trade Mark, printed in red and green, a facsimile of which is annexed. Particular attention should be paid to this guarantee of genuineness, as numerous imitations are offered. Sold universally by Chemists and Perfumers, at 1s. 6d. and 2s. 6d.

The Trade and Shippers supplied by the leading houses in London and elsewhere. Bills and Show Cards forwarded on receipt of address cards and directions for enclosure.

R C TREATT

Dunster House Mincing Lane
LONDON

IMPORTER OF

Musk Civet Ambergris Attar - of - Rose

ESSENTIAL OILS



Wholesale
and
Export
only

APPLICATION
ON

QUOTATIONS

AND

PRICE LIST

TIDMAN'S SPECIALITIES.

Readily Saleable by all Chemists and Druggists. 5 per cent. Discount for Cash.

£5 orders carriage paid.			Price to the		£5 orders carriage paid.			Price to the	
Tidman's			Retail at	Trade.	Tidman's			Retail at	Trade.
Sea Salt, in Cardboard Packets	..	..	14d.	per gross 12/3	Wesley's Petroleum Pomade	..	..	1/0	per doz. 6/0
" " Linen Bags	..	..	14.	" 8/3	" Carbolic Toilet Soap Tablets, in tinfoil	..	..	2d.	" 1/6
" " 3-lb. Boxes	..	..	8d.	per doz. 5/4	" Coal Tar Soap	..	..	2d.	" 1/6
" " 7-lb. "	..	..	1/2	" 10/9	" Carpet Soap	..	..	6d.	" 3/6
" " 14-lb. "	..	..	2/3	" 19/9	" Furniture Polish	..	..	6d.	" 3/0
Tidman's Sea Soap, Tablets, in Boxes of 1 doz.	..	..	6d.	" 3/6	" Linen Glaze, in envelopes	..	..	1/0	" 6/0
" Tooth Soap	..	..	6d.	" 3/6	" " " in tins	..	..	1d.	" 6d.
" Carbolic Tooth Powder	..	..	6d.	" 3/6	" " " " "	..	..	3d.	" 1/6
" Cucumber and Glycerine	..	..	6d.	" 3/6	" Sewing Machine Oil	..	..	6d.	" 3/3
" Cucumber and Glycerine Soap, Boxes 1 doz.	..	..	1/0	" 7/0	White's Glycerine Jelly, in Screw Cap Bottles	..	..	3d.	" 1/1
" Carbolic Disinfecting Powder, in Tins	..	..	4d.	" 2/0	" " " " "	..	..	6d.	" 3/6
Corn Solvent, 1 doz. on Card	..	..	4d.	" 2/4	" " " " "	..	..	1/0	" 7/0
Tidman's Cucumber and Glycerine Jelly	..	..	6d.	" 3/6	" Glycerine and Honey Jelly	..	..	6d.	" 3/6
Wesley's Petroleum Pomade	..	..	6d.	" 3/0	" " " " "	..	..	1/0	" 7/0

TIDMAN & SON, BUSHELL STREET, LONDON, E.

Also of Maw's, Newbery's, Barclay's, Sanger's, and the other Wholesale Houses.

SUPERFATTED MEDICINAL SOAPS

MANUFACTURED UNDER THE CONSTANT CONTROL OF

Dr. MED. J. EICHHOFF, Senior Physician to the Wards for Skin and Venereal Diseases of the Elberfeld Hospital,
BY

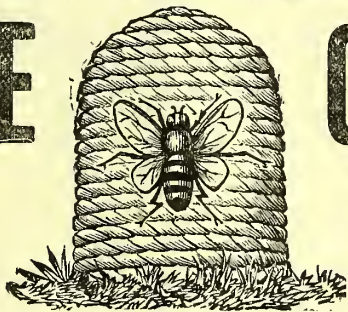
FERD. MULHENS, No. 4711 Glockengasse, Cologne-on-Rhine.

- | | |
|--|---|
| 1250. Menthol-Eucalyptol Soap | 1264. Benzoic Soap |
| 1251. Menthol Soap | 1265. Pine-Needle Extract Soap |
| 1252. Salol Soap | 1266. Resorcin-Salicylic Soap |
| 1253. Thymol Soap (for Children) | 1267. Resorcin-Salicylic-Sulphur Soap |
| 1254. Ichthyol-Tar Soap | 1268. Resorcin - Salicylic - Sulphur - Tar Soap |
| 1255. Salicylic-Ichthyol Soap | |
| 1256. Sulphur-Camphor-Peruvian Balsam Soap | 1269. Quinine Soap |
| 1257. Salicylic Soap | 1270. Hydroxylamine Soap |
| 1258. Salicylic-Sulphur Soap | 1271. Ergotine Soap |
| 1259. Salicylic-Sulphur-Tar Soap | 1272. Iodine Soap |
| 1260. Creoline Soap | 1273. Salicylic-Creosote Soap |
| 1261. Resorcine Soap | 1274. Sublimate Soap, $\frac{1}{2}$ % |
| 1262. Aristol Soap | 1275. Sublimate Soap, 1 % |
| 1263. Iodoform Soap | 1276. Thiol Soap, 5 % |
| | 1277. Thiol Soap, 10 % |

TO BE OBTAINED FROM ALL THE LEADING WHOLESALE HOUSES IN THE U.K.

SARG'S ORIGINAL BEEHIVE BRAND.

**CERESINE
WAX.**



**CERESINE
WAX.**

WHITE, NATURAL, YELLOW, & ORANGE. STOCK KEPT IN LONDON OF 15 DIFFERENT KINDS.

Supplied in square blocks, each wrapped in paper and packed in cases of 1 cwt. each.

None Genuine unless Cases, Wrappers, and Blocks are branded both with Maker's Name, "SARG," and the "BEEHIVE" Trade Mark.

Sole Agent: FREDK. BOEHM, 4 Cullum St., LONDON. E.C.

Perfumes.

Powders.

Pills.

WILLIAM

BLEASDALE & CO.

YORK,

Cucumber & Glyc.

Cod-liver Oil.

Cachous.

Invite applications for their Revised Price List, which speaks to the Drug Trade that is,

without forgetting the traditions of the Drug Trade that used to be.

INFALLIBLE REMEDY FOR TOOTHACHE.

TAITE'S TOOTHACHE TABLETS.

These Tablets are composed wholly of pure and harmless Vegetable Substances, blended together in proportions, the result of long experiment and trial, and Messrs. TAITE & CO. have every confidence in recommending them to the suffering public. There is nothing deleterious in their composition, and applied to the gums give immediate relief. They warm and comfort the gums.

Mr. GOODMAN, the well-known Dentist, of Ludgate Hill, says:—"I have never known them fail."

TAITE & CO. (Sole Proprietors), 6 DUKE STREET. ADELPHI, LONDON, W.C.

Prices 7d., 1s. 1d., 2s. 9d., and 4s. 6d. To be obtained of all Chemists.



THE VERDICT OF ALL WHO USE IVORINE

For the Complexion and
Skin.

PEARLINE

For the Teeth and
Breath, is that they are
UNEQUALLED.

USED BY ROYALTY.

N.B.—The *Lancet* states:
"IVORINE possesses properties of alluvial value to the skin; it is entirely free from any noxious ingredients, and attended with distinctly beneficial results."

Miss Ellen Terry writes:
"IVORINE is the very best thing I ever had to correct a dry skin, and am certain there is nothing to compare with it."
Price 1s. 6d. and 1s. each.

Proprietors—**BAILEY'S TOILET CO., Bedford.**
Wholesale Agents—**R. Hovenden & Sons, Berners St. W.**
Travellers Wanted. Apply to Proprietors.

H. P. TRUEFITT'S SPECIALITIES FOR THE HAIR.

Floral Extract, 3/6, 5/-,
10/6, 21/-

Egg Julep, 2/-, 4/-
CONCENTRATED

Egg Julep, 2/6,
5/-, 10/6.

Golden Fluid,
10/6, 21/-

EUXURON,
1/6,
&c.

Stimulating Lotion, 5/-,
10/6.

Astringent and Tonic

Lotion, 5/-, 10/6.

Quinine and Arnica

Hair Wash, 3/6,

5/-, 10/6, 21/-

Arnica Wash

3/6, 5/-,

10/6.

&c.

EUCHRISMA.
Combines in one clear Fluid every valuable
ingredient both of a Hair Grease and Wash,
3/6, 5/-, 10/6, 21/-.

EAU RACINE.
For renewing the original colour of Grey Hair;
superior to all other Restorers, being perfectly
simple in its composition. Price 6/-.

An elegant Preparation for
the Hair and Beard.
Price 2/6, 3/6, 5/-, 10/6, 21/-.

BRILLANTINE

H. P. TRUEFITT'S TONIC TOOTH BRUSH

(BY ROYAL LETTERS PATENT.)

PRICE ONE SHILLING.

20 & 21 Burlington Arcade; 13 & 14 Old Bond St., London.

Dorothy Dentifrice



IS NOW PUT UP
IN

6d.

AND

1/-

BOXES.

It is confidently expected that in this convenient form a greatly increased demand may be expected for this popular Toothpowder. The DOROTHY DENTIFRICE will be liberally advertised in the best publications, and it will pay Chemists to keep it in stock.

**IF YOU STOCK "DOROTHY,"
WE WILL DO THE REST.**

Write for particulars and terms.

DOROTHY DENTIFRICE CO., 11 and 13, St. Bride St., London, E.C.

THE LARGEST SALE IN THE WORLD.

WOODS' AREGA NUT TOOTH PASTE.

Special terms sent on application for £5 worth.

WOODS & SON, Pharmacists, PLYMOUTH, ENGLAND.

E. WITROFSKY, 29 FENCHURCH STREET, LONDON, E.C.

IMPORTER OF ESSENTIAL OILS, OTTO OF ROSE, ETC.

SOLE AGENT FOR—

MAUBERT FILS & VIMARD,
Vallauris près Grasse—

Concentrated Perfumes.
Concentrated Essential Oils.
Pomades, Rose and Orange-Flower Waters.

CARL VON ERLACH,
Lienz, Tyrol, Austria—
Oleum Pini Pumilionis.
" " Piceæ.
" " Abietis.
" " Sylvestris.

J. S. BLOCH, Hartmanitz—
Chemical Pure Tinfoil and Capsules.

HOROWITZ & WITROFSKY,
Brünn—
Makers and Distillers of Guaranteed Pure
Essential Oils, Fusel Oil, Pure Harmless
Colours in Powder free from Aniline and
Chemical Substances.

SPECIALITIES—

CARAMELINE (substitute for Burnt Sugar). 20 times stronger than Caramel.

DIRECT IMPORTER OF VANILLA FROM RÉUNION (BOURBON).

OTTO OF ROSE from KEZANLIK, the famous Rose Valley of Bulgaria
LARGE STOCK KEPT IN LONDON.

For Samples, Price Lists, and Special Quotations, apply to

E. WITROFSKY, 29 FENCHURCH STREET, LONDON, E.C.

Telegraphic Address—"WITROFSKY LONDON."

SOZIO & ANDRIOLI

ESTABLISHED A.D. 1757.]

GRASSE (Alpes Maritimes), FRANCE.

Neroly, Lavender, Geranium, Orris, Patchouly, Thyme, Rosemary, Spike, Santal, &c.

CONCENTRATED PERFUMES.

CONCRETE ESSENTIAL OILS.

FLOWER POMADES at the highest possible Saturation. ROSE & ORANGE FLOWER
WATER, Sweet Almond Oil.

London Agent—MR. FREDK. BOEHM, 4 CULLUM ST., E.C.

COCKING'S JAPAN OIL OF PEPPERMINT.

Our Extra Steam Refined Oil is treble distilled and twice rectified by steam, by an entirely new process and in apparatus of our own invention, by which all those polymeric products of a tarry and resinous nature which are objected to by some consumers are extracted. It is of water-white colour, retaining its full aroma, pungency, and strength, and guaranteed absolutely pure and soluble in spirits of wine.

COCKING'S JAPAN MENTHOL CRYSTALS.

Our Extra Steam Refined quality is in firm, hard, dry, and snowy-white crystals, entirely free from oily contamination, and therefore of the highest melting-point. As the original and largest manufacturers in the world of the true Japan Menthol, we guarantee our brand to be absolutely pure. Beware of substitutes. For full particulars, therapeutic uses, &c., see special circulars, to be had on application.

Sole Agents—JOHN BATT & CO., 39 OLD BROAD ST., E.C.

S. V. METH.

JONES & COMPANY,
COPPERFIELD ROAD
LONDON, E.
LARGEST MAKERS IN THE KINGDOM.

We are prepared to supply METHYLATED SPIRIT in
5-gallon quantities at Lowest Prices.

REDUCTIONS TO LARGE BUYERS.
SAMPLES FREE.

BOORD & SON,
DISTILLERS, FOREIGN WINE AND SPIRIT MERCHANTS, AND METHYLATORS,
ALLHALLOWS' LANE AND BARTHOLOMEW CLOSE, LONDON, E.C.

Quotations for **S.V.R.** Methylated Spirit and Finish on application.
FINEST ORANGE WINE FOR QUININE.

**JAMES
BURROUGH**

FINE PORT (without tannin)
FINE SHERRY (for Medicinal uses, &c.)
FINE MALAGA (for Steel Wine, &c.)
FINE BURGUNDY (for invalids)
S.V.R. and Methylated Spirit at lowest present prices.

CALE ST. DISTILLERY

*All at Lowest Prices and
specially recommended.*

CHELSEA

PETROLEUM JELLY.

PARAFFINUM MOLLE, B.P.

(PIONEER BRAND) Registered Trade Mark.

Equal to and Cheaper than **VASELINE.**

FOR MEDICAL AND PHARMACEUTICAL PURPOSES.

White, Yellow, Veterinary, and Waterproof. All kinds put up in 1-lb., 5-lb., 7-lb., 14-lb., 28-lb., and 56-lb. Patent Tins, and in 300-lb. Barrels.

Pure Castor Oil, Cod Liver Oil, White Mineral Oil, Best Eating Olive Oil, Pale and Crude Carbolic Acid, Carbolic Powders, Sheep Dip, Benzine 50 per cent. and 90 per cent., Crude and Rectified Spirits of Tar, Stockholm Tar, Camphor Ice, Carbon Candles.

PATENT

CARBOLIZED PEAT,

THE NEW AND POPULAR DISINFECTING POWDER.

SEND FOR SAMPLES AND PRICES TO

GRINDLEY & CO., Lim., POPLAR, LONDON, E.
(ESTABLISHED 1868.)

PRICE LIST
ON APPLICATION.

NAPOLEON PRICE & CO.

LIMITED

(SOLE SUCCESSORS TO PRICE & COSNELL).

Established 1770.

PRICE LIST
ON APPLICATION.

Proprietors of THE ROYAL PERFUMERY COMPANY,
27 Old Bond Street, W.

WHOLESALE & EXPORT
ORDERS TO—

164 ALDERSGATE ST., LONDON, E.C.

SPECIAL NOTICE.

“Materials of the best quality only are evidently used in the Manufacture of all these products, a precaution of especial importance when articles for the Toilet are used.”—*The Lancet* of July 23, 1892.

GENUINE ARTICLES.

WIDE RANGE.

Toilet Soaps. Perfumes.
Powders. Dentifrices. Pomades.

SOME SPECIALTIES:

REGISTERED PERFUMES.—“SPINAROSA”—Gained Gold Medal, Paris Exhibition, 1878–9.

“GLORIOLA”—The Queen of Perfumes.

“EDELWEISS”—The BEAU IDEAL of a refined woman's perfume.

“EDELWEISS” PERFUME. “EDELWEISS” SOAP.

“EDELWEISS” TOOTH PASTE, ETC., ETC.

REAL OLD BROWN WINDSOR SOAP—Unique, Unequalled

The Lancet says:—“Is desiccated and treble milled, containing according to OUR OWN TESTS a minimum of moisture, and perfectly free from irritants.”

VELVEEN—“A white opaque Soap of Especial Purity.”—*The Lancet*.

CHERRY TOOTH PASTE—Napoleon Price's,

IN THE WELL-KNOWN BURNT-IN POTS.

BEST FRENCH FEEDING BOTTLES,

Without Fittings, and with or without Buyer's name,

AT LOWEST QUOTATIONS, IN QUANTITIES.

JOHNSEN & JØRGENSEN

Offices and Showrooms—5 SAVAGE GARDENS, TOWER HILL, LONDON, E.C.

Warehouse—WEST INDIA DOCK, E. Telegraphic Address—'FISH LONDON.' Telephone No. 1365.

CHEAP DISPENSING BOTTLES

WEST LONDON DEPOT, ESTABLISHED 1830.

WHOLESALE OLD and NEW kept in Stock.

4, 6, & 8 oz., Plain or Graduated, Fitted with Corks ready for use, at 7/- per gross. Good Corks, 6d., 8d., 10d., & 1/- per gross.

HOSPITALS and MEDICAL GENTLEMEN will find this a great boon for economy and quickness in DISPENSING MEDICINES.

SMALL VIALS AND POISONS AT EQUALLY LOW PRICES.

APPLY

Telegraph Address—'BARRADELL LONDON.' J. P. BARRADELL, 15 & 16 PADDINGTON GREEN, LONDON, W.

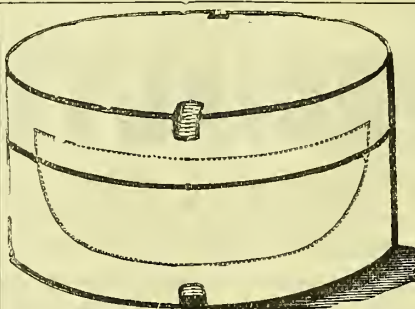
WILLIAM TOOGOOD

TOOGOOD'S

IMPROVED PATENT

EARTHENWARE COVERED POTS

Are claimed to be the most perfect and convenient yet offered to the Trade.



Owing to the increasing demand for our Patent Pots, we have introduced a Special THIN Series for Dispensing.

These Pots are beautifully glazed and finished, and, being very light, are specially adapted for sending by post.

ORDINARY THICKNESS—

1 ^{dr.} / ₆	2 ^{dr.} / ₆	1 ^{dr.} / ₆	1 ^{dr.} / ₈	1 ^{dr.} / ₁₀	1 ^{dr.} / ₂	2 ^{dr.} / ₃	2 ^{dr.} / ₁₀	3 ^{dr.} / ₆	4 ^{dr.} / ₆	5 ^{dr.} / ₆	ounces.
per doz.											

THIN FOR DISPENSING—

1 ^{dr.} / ₇	1 ^{dr.} / ₉	1 ^{dr.} / ₂	1 ^{dr.} / ₂	2 ^{dr.} / ₅	3 ^{dr.} / ₄	4 ^{dr.} / ₄	5 ^{dr.} / ₄	8 ^{dr.} / ₄	ounces.
									per doz.

TOOGOOD'S BRONCHITIS KETTLES. Write for New Season's List.

TOOGOOD'S CHEST PROTECTORS. Write for New Season's List.

TOOGOOD'S INDIARUBBER HOT-WATER BOTTLES. Write for New Season's Lists.

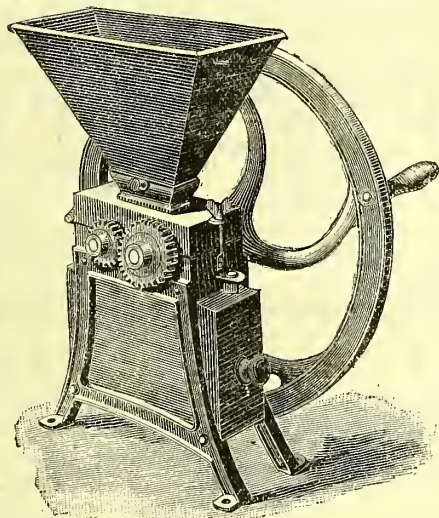
TOOGOOD'S INHALERS. Write for Special List.

BURLINGTON BUILDINGS, HEDDON ST., REGENT STREET, LONDON, W.

BENNETT, SONS & SHEARS,

Engineers, Coppersmiths, and Millwrights,
SPECIALISTS IN CHEMICAL PLANT.
Laboratories Designed and Fitted Completely.

CHEAPEST AND BEST.



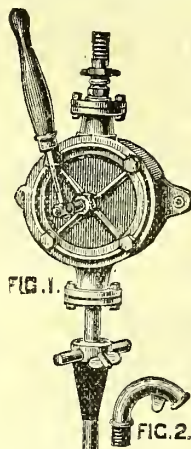
Apply for Price List.

NEW PATTERN.

Universal Drug Mills, with helically grooved and fluted Rollers, for grinding Drugs, Oleaginous Seeds, Root, Heros, &c., &c.

167 Kingsland Road, London, N.E.

TELEGRAMS: "COPPERSMITHS LONDON"



BUY THE BEST
OIL PUMP
AND SAVE
OIL, TIME, MONEY.

THOUSANDS IN USE.

Write for full particulars and prices of The
"Farrington" Patent Oil Pumps to

PONTIFEX & WOOD, LD.
Shoe Lane, LONDON, E.C.

TANGYES' GAS ENGINE

'OTTO' PRINCIPLE. PINKNEY'S PATENTS

SINGLE ENGINES OF ALL SIZES FROM

1/4 TO 146 ACTUAL OR 170 INDICATED HORSE-POWER

APPLY FOR ILLUSTRATED CATALOGUE TO

TANGYES LIMITED, BIRMINGHAM

London, Newcastle, Manchester, Glasgow, Sydney, Melbourne,
Johannesburg, Genoa, Bilbao, and Rotterdam.

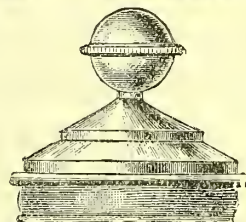
NEW PATENT**AIR-TIGHT CHEMIST JAR.**

A slight turn of the knob presses the indiarubber Band against the glass, and renders the vessel absolutely air-tight. The Stopper is made of pure Nickel, of handsome shape.

INVALUABLE FOR SHOW BOTILES, CHEMISTS, CONFECTIONERS, &c.

*Samples and Prices of all Chemists' Sundriesman***C. MELIN,**

37 CRUTCHED FRIARS, MARK LANE. E.C.



Section of the Nickel Stopper when closed.

ANDREW OHLSON,

PHARMACEUTICAL COPPERSMITH & ENGINEER,

EAST LONDON COPPER & IRON WORKS, 85 NEW ROAD, WHITECHAPEL.

Still, Nitre, Ammonia, Cloves, Almonds, Acetic, Mint, Lavender, Apparatus for Distilled Water, Steam Jacket Pans, Evaporating, Boiling, Tilting, Citrate, Enamelled, &c.; Vacuum, Miscellaneous, Oil Separators, Copper Measures, Percolators, Hydraulic Tincture Presses, Sarsa. Tanks with Coil.

Laboratories fitted up complete.



Telegraphic Address—
"ARRAIGNE
LONDON."

Established upwards
of 30 years.

Copper Still, with Pure Tin Coil in Tub, can be heated by Fire or Gas.

BUSH'S LIQUID BEEF

(REGISTERED).

Please note Signature across
Registered Label—

A. P. Bush & Co.

Of all Wholesale Houses, or direct from Sole English Depôt,
A. P. BUSH & CO., 1 Gresham Buildings, LONDON, E.C.
Showcards, &c., on application.

S. SAINSBURY'S

From English Lavender
Flowers, and most choice
and delicate Scents.

Lavender Water.

176 & 177 STRAND, LONDON.
Established 1839.

Wholesale and Shipping Terms on Application.

**BERNARD-
ESCOFFIER FILS,
GRASSE,**

FOR
Oil of Almonds,
Perfumed Waters,
Lavenders, and all
Essential Oils.

LONDON DEPOT—

LOUIS

SCHLESINGER,

WILSON ST.,
FINSBURY

Importers of

**MUSE, CIVET,
AMBERGEEIS,
TONQUINOL,
OTTO DE ROSE,**

and every

ESSENTIAL OIL.

Telegrams—

"AMBERGEEIS LONDON."

Established 1854.

THE "MORSTADT" Cachets

Are the most digestible, flexible, and elegant Cachets in the market, and
are fast replacing all competitors. The Cachets are made to hold from
3 to 184 grains Quinine or Salicylic Acid.

"MORSTADT" CACHET CLOSING APPARATUS, to easily, cleanly,
and speedily close 12 Cachets at one operation, from 12s. to 30s.
SMALL APPARATUS, to fill and close 1 Cachet at a time, 2s. 6d. each.

THOMAS CHRISTY & CO., 25 Lime St., London. E.C.

METHYLATED SPIRIT

S.V.R.

AB. ALCOHOL. SHERRY AND ORANGE WINES.

Lowest Prices, Best Quality.

BUTTON STREET DISTILLERY, MANCHESTER

A. MACNAIR & CO.

ELKANAH NATALI,

SHOPFITTER and GLASS SHOW-CASE MAKER.

Removed to more Extensive Premises,

242 OLD ST. (only address),

Twelve doors from City Road, nearly opposite the old place.
A Large Stock of New and Second-hand Cases, &c., always in hand. No con-
nection with any other house of the same name.

ESTABLISHED ABOUT QUARTER CENTURY.

HUDSON'S HALF-MINUTE THERMOMETER,

Inland Post Free, 3/6.

CLINICAL THERMOMETERS IN CASES

25/- per dozen. Trade Discount.

For Medical Press Opinions apply

HUDSON & CO.

OPTICIANS, PATENTEES, AND MANUFACTURERS,

5 Crosby Square, LONDON, E.C.



S.V.R.

In 40-gallon returnable iron casks, pure tinned, with screw
bunga, interchangeable brass taps and spanners for open-
ing. Farine, Dextrine Glucose, Alcohol absolute, Fusel
Oil, Pear Oil, Lime-Soda, Lead-Acetate, Verdigris, Acetic Acid Wood
Naphtha, Charcoal, Ammonia liquid 880-900, anhydrous Sodium Sulphide,
Bromides, Iodides, Chloralhydrate, Boracic Acid Sulphate of Copper,
Permanganate of Potash, Oil. Carvophyll. Menth. Pp., Pint, Juniper

HUGO LORENZ, 7, 8 Idol Lane, LONDON, E.C.

See "Chemist and Druggist," July 30, 1892, page 110.

PRECIPITATED CHALK, WHITEST AND PUREST.

CHEAPEST SELLERS IN THE MARKET.

ALSO CHEMICALS, DRUGS, AND OILS.

APPLY TO

AUG. LEVERMORE & CO., 8 LIME STREET, LONDON, E.C.

THE TARGET

TRADE MARK



PREPARATIONS are

Sole Proprietors—**WIDE BROTHERS, CHEMISTS, SOUTHAMPTON**
Wholesale:—**EDWARD, BARCLAY & Co., &c.**

THE TARGET TABLETS.

Internal remedy for piles, &c., 2/9 box.

THE TARGET OINTMENT.

External remedy for piles, &c., 1/4 box.

THE TARGET

Little Vegetable PILLS,

For indigestion, constipation, &c.,

1/4 per phial.

PINCH & CO.,

MANUFACTURERS OF PATENT

GOUT CURE

(For Outward Application Only).

In Bottles, 1s. 1½d., 2s. 9d., and 4s. 6d. Wholesale and Export.

114 JAMAICA ROAD, LONDON, S.E.



DON'T MISS

NO. 4!

NOW READY.

Electrotype

Advertising Novelties and List Blocks for all Trades

QUARTERLY, 3½d. ANNUAL SUB., 1s. 2d.

174 FLEET STREET, E.C.



E. H. THIELLAY'S (Registered 1867)

MOUSQUETAIRE

A bright Fixing Liquid for the special training of the
MOUSTACHE. Invaluable to Medical Men, repelling
infectious miasma from the respiration. In Cases, with
Brush, Pom. - Hangoise, &c. at 2/-, 3/6, 5/-, 7/6, &c.
Most successful Novelty, 2/- sample post free 15 stamps.

All Wholesale Houses, or direct from

E. H. THIELLAY,

Parfumeur-Chimiste, Amersham Park, New Cross, LONDON.

(SHOW ROOMS AT CHARING CROSS HOTEL.)

[1]

KREAT-HALVIVA.

MALARIA, INFLUENZA, FEVER,

INDIGESTION, SEA-SICKNESS.

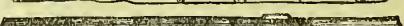
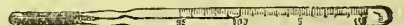
For sale at 2/9 a Bottle. Agents—All Wholesale Houses in England.

KEMP & Co., Bombay; ELLIOTT BROS., Sydney.

4 TEMPLE CHAMBERS, LONDON, E.C.

EWALD HILDEBRAND,

ARMY CONTRACTOR.



No. 690, 12s. per dozen, guaranteed.

HALLE A/S. GERMANY.

ORANGE WINE

(VIN. AURANT, P.B.).

Specially brewed for Quinine Wine. Does not deposit, will keep good in any climate.
In casks, 13 gallons to 110 gallons; small casks, 3s. 9d. per gallon, carriage allowed
if paid within three months. In wine-bottles (not less than 3 doz.) at 9s. per doz.
bottles included. Casks and cases extra, and returnable.

Sample on application.

Special quotations to large buyers.

DURRANT & CO., Railway St., HERTFORD.

NEW CROP FIRST EXTRACT

LEMON OIL,

Absolutely pure. Nothing finer imported.

59 per lb. o.i.f. Hull, London, or Liverpool, delivered as required up to December, 1893.

MARK LEWIS, 23 Old Corn Exchange, MANCHESTER, and in LIVERPOOL and LONDON.

DIRECT AGENT FOR LARGEST CONTINENTAL HOUSES.

POWELL & BARSTOW

(Late W. HURLSTONE & Co. Established 1830).

Manufacturers, on the premises, to the Wholesale and Export Trade of every description of Elastic Gum.

SURGICAL INSTRUMENTS & ELASTIC STOCKINGS,

Catheters, Bougies, Oesophagus Tubes, Horse Catheters, Ferguson's Glass Specula, Rectum Bougies, &c.

58 BLACKFRIARS ROAD, LONDON, S.E.

SAMPLES AND PRICES ON APPLICATION.

PUREST CHLOROFORM

Guaranteed free from all injurious impurities. The Purest in the World.

SEND FOR ANALYSIS AND TESTIMONIALS.

SALAMON & CO., LD., CHEMICAL MANUFACTURERS, RAINHAM, ESSEX.**FRED. K. FINK & CO.**

10 & 11 MINING LANE, LONDON, E.C. [1]

SPECIALITIES: Glycerine—Gum Arabic—Gum Tragacanth—Pure Beeswax—Honey.

EADE'S**GOUT and RHEUMATIC PILLS**

Are the safest and most effectual remedy advertised for

GOUT, RHEUMATISM, AND ALL MUSCULAR PAINS.

GEORGE EADE, 72 GOSWELL RD., E.C.

Counter Bills and Show Cards on application.

RAYBOULD'S FURNITURE POLISH

BRIGHTENS FURNITURE WITH LITTLE LABOUR.

In Tins—1d., 7/- gross. Stone Bottles—1d., 8/- gross; 3d., 2/- dozen; 6d., 4/- dozen; 1s., 7/- dozen. It is sure to please and increase your trade.

Every Chemist should send for Sample order, 6 dozen assorted as required, Carriage Paid, P.O.O. or Cheque, payable to

FLESHER RAYBOULD, REFORM WORKS, DUDLEY.**EUCALYPTUS OIL.**

GENUINE AUSTRALIAN OIL, pure, bright, and of a pale straw colour.

APPLY TO THE IMPORTERS,

FLETCHER, FLETCHER & STEVENSON,

21 MINING LANE, LONDON, E.C.

TO LET.

E. BRAMWELL & SON,

Navigation Chemical Works, ST. HELEN'S, LANCASHIRE.

HYPOSULPHITE OF SODA } Special Quality
SULPHITE OF SODA } for Photographers**CLAUBER SALTS. PURIFIED EPSOM SALTS.***Bromley's Gout & Rheumatic Pills***FREE** Printing of Chemists' own Bills.

46 Sir Thomas's Buildings Liverpool, Eng.

Established 1807. WILL CURE.

CHEAPEST. MOST PROFITABLE.

Not Sold under Price on Box.

Send Hand-bill or Labels.

TRADE MARK

**ESSENTIAL OILS.**

BERGAMOT, LEMON, ORANGE, MANDARINE.

IG. SILES, REGGIO CAL.

NO AGENTS. DIRECT CORRESPONDENCE SOLICITED.

GOVERNMENT DISINFECTANT

CARBOLIC POWDER (PINK) in 1 Cwt. 2 Cwt. CASKS 1lb & ½ Packages

CARBOLIC POWDER (PINK) in TINS 6d & 1/-

CARBOLIC FLUID in 6d 1/4 & 1/6 STOPPED BOTTLES

CARBOLIC SOAP N° 1 & N° 2

CARBOLIC & GLYCERINE SOAP in 1/4lb & 1/2lb TABS

FREE FROM POISON. AGREEABLE IN SMELL.

THE GOVERNMENT SANITARY CO.,

TO BE HAD FROM ALL WHOLESALE DRUGGISTS

SILVER MEDAL B.M.E. 1884.



THE ONLY MEDAL AWARDED FOR THIS SPECIALITY.

CHLORIDE OF LIME

IN AIRTIGHT WATERPROOF INVENTORS AND MANUFACTURERS NATIONAL CHEMICAL CO., LONDON

THE N. C. CO. PACKAGES HAVE STOOD THE TEST FOR MANY YEARS, AND CAN ALWAYS BE RELIED UPON TO GIVE SATISFACTION.

KEPT IN STOCK BY ALL WHOLESALE DRUGGISTS & C.

SEE THEIR PRICE LISTS

SILVER MEDAL B.M.E. 1884.



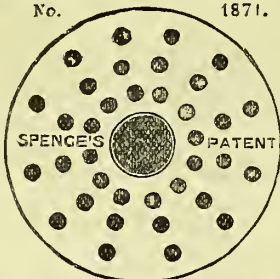
BEWARE OF OTHER CO. CALLED AIRTIGHT PACKAGES

SPENCE'S PATENT SHIELD DEPOT,

44 Camberwell Road, LONDON, S.E.

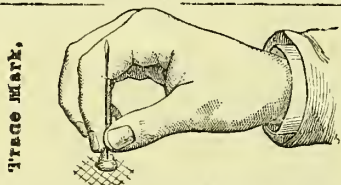
No. 1871.

Spence's
Goods
have the
Largest Sale
in
London.



Agents
Wanted
in
Provinces
and
Abroad.

For full explanation and price of Shields, Spence's Safety Feeding Bottles and Soothers, fitted with Patent Shields, see Diary for 1893, page 297, or upon application.



THE
ASSOCIATION for the SUPPLY of PURE VACCINE LYMPH
12x PALL MALL EAST, LONDON, S.W.

SOLE AGENTS FOR

DR. WARLOMONT'S CALF VACCINE.

Tubes, 5s each; Half Tubes, 1s. each. Pomada in vials, 6s.
HUMAN VACCINE, from healthy children only, microscopically examined and source quoted. Tubes two-thirds full, 1s. 3d. each; Tubes one-third full 1s. each; Tubes two-thirds full (same as those mentioned above, but without source), in quantities for export, 4s per 100 Tubes. Pin-points uncharged, 1s. per dozen. Vaccine Ejectors, 1s. 3d. each, including postage. P.O.O.s (including postage, and crossed London and Westminster Bank) with orders, payable to EDWARD DARRK, Secretary.

Office hours 10 to 4. Correspondence 10 to 2.



MANUFACTURED
IN
GREAT BRITAIN.

WHITE'S MOC-MAIN PATENT LEVER TRUSS

(NO STEEL IN BAND).



Highly recom-
mended by
Medical Men.

Equally comfort-
able in an erect
or reclining posi-
tion.

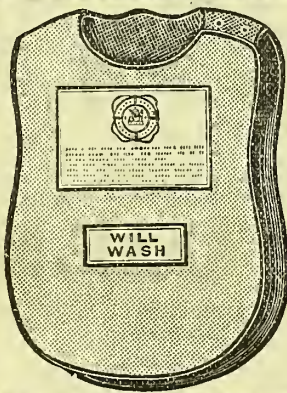
All our Trusses are
manufactured on the
Premises, and

NONE ARE GENUINE UNLESS BEARING
OUR NAME STAMPED ON THEM.

Sciatic, Riding, and other Belts. All kinds of
Elastic Goods, Consultations, Descriptive Circu-
lars, and Price Lists FREE. Female attendant.

J. WHITE & CO. (1st floor), 228 Piccadilly, London, W

Established over 50 years.



THE LIVERPOOL LINT CO.

MARK STREET MILLS, LIVERPOOL.

"HEALTH" CHEST PROTECTORS

ARE WARMER, SOFTER, MORE ELASTIC, AND BETTER
FITTING THAN FELT, BEING WOVEN FROM BEST
LAMB'S WOOL ONLY.

SURGICAL

ABSORBENT
COTTON LINTS,
FLAX LINTS,
ROLL BANDAGES,
COTTON WOOLS.



TRADE MARK (REGISTERED).

DRESSINGS.

"GAMGEE TISSUE"
(Patent Absorbent Gauze and Cotton Wool)

AND

All kinds of
ANTISEPTIC
DRESSINGS.

MANUFACTURED BY
ROBINSON & SONS, COTTON SPINNERS, WEAVERS, Wheat Bridge Mills, CHESTERFIELD
And BLEACHERS,

And 55 Fann Street, Aldersgate Street, LONDON, E.C.

MAY, ROBERTS & CO.

9 CLERKENWELL ROAD, LONDON, E.C.

Telegraphic Address—"FEEDING BOTTLES LONDON."

**ILLUSTRATED
CATALOGUE,
1893,
DRUGGISTS' SUNDRIES,
SURGICAL APPLIANCES,
PATENT MEDICINES, &c.,
NOW READY.**

POST FREE ON APPLICATION.

MEDAL FOR PURITY, SANITARY INSTITUTE, 1889.

6 PRIZE MEDALS AWARDED FOR PURITY OF SOAPS.

COOK'S PURE TOILET SOAPS

These Soaps are perfectly pure, and will be found in use pleasant to the most delicate and sensitive skin, great care being used in the selection of scents to avoid anything likely to cause irritation.

NO INJURIOUS COLOURING MATTER USED.

SPECIALITIES:—"SAVON DE LUXE"

THE MOST LUXURIOUS SOAP MADE.

Thousands of large samples of this Soap have been distributed, and have met with universal approval. Being made from the purest materials obtainable, it is not only a luxury, but it is economical in use.

COOK'S SUPERFATTED SOAP. "RIVIERA" BRAND.

Specially prepared for Delicate and Sensitive Skins.

COOK'S "HYGIENIC" TOOTH SOAP AND "RIVIERA" SHAVING STICK.

COOK'S ANTISEPTIC SOAP

(THOMSON'S PATENT).

A most carefully conducted set of experiments by eminent members of the Medical Profession has established the fact that this Soap is of the highest value in the treatment of ECZEMA, RINGWORM, SCABIES, FAVUS, and other Diseases of the Skin.

Messrs. E. COOK & CO. have received from Medical Men numerous communications testifying to the success that has attended the use of this Soap, most of which cannot be published; but Messrs. E. C. & Co. have the permission of many of the writers to show the originals to members of the Medical Profession.

CAN BE OBTAINED THROUGH

MESSRS. S. MAW, SON & THOMPSON, OF LONDON,

OR DIRECT FROM THE MAKERS.

Price, in 3-Tablet Boxes, per doz., 12/, Selling Price, 1/6; in $\frac{1}{4}$ -gross Boxes, 10/6 per box.

Messrs. E. COOK & CO. will, with pleasure, send sample, free of charge, to Medical Men on application.

MANUFACTURED BY

EDWARD COOK & CO., LONDON,

MAKERS OF

COOK'S Celebrated GOLD MEDAL PRIMROSE, MOTTLED, and SOFT SOAPS; also of COOK'S LIGHTNING CLEANSER, and COOK'S HIGH-CLASS TOILET SOAPS.

SPECIALITY:—"SAVON DE LUXE."

GOLD MEDAL, PARIS EXHIBITION, 1889.

EXT. SARSÆ
JAM. CO.
EXT. SARSÆ
JAM. SIMP.
EXT. SARSÆ
JAM. LIQ^d.
DEC. SARSÆ
JAM. SIMP. 1-7.
DEC. SARSÆ
JAM. COMP. 1-7.
ALL FROM FINEST RED
JAMAICA
SARSAPARILLA ROOT
PREPARED IN VACUO BY
SPECIAL PROCESS.

FINEST SOLUBLE
ESSENCES
OF LEMON, GINGER,
GINGER ALE (BELFAST),
ORANGE CHAMPAGNE,
KOLA CHAMPAGNE,
AND SEVERAL HUNDRED OTHERS.

PURE
CONCENTRATED
FRUIT ESSENCES
OF THE FINEST QUALITY
AND
HIGHEST DEGREE OF
CONCENTRATION.

STEVENSON & HOWELL'S SPECIALITIES.

STANDARD

VACUUM-PREPARED

JAMAICA SARSAPARILLA

PREPARATIONS

ESSENTIAL OILS

OF GUARANTEED PURITY

PURE ESSENCES

OF EVERY DESCRIPTION

SAMPLES, QUOTATIONS, AND FULLEST DIRECTIONS

FOR USE UPON APPLICATION.

ESSENTIAL OILS
OF GUARANTEED PURITY
AND
EXCEPTIONAL QUALITY.

ALMONDS
ANISEED
BERGAMOT
CARAWAY
CHAMOMILE
CARDAMOMS
CASCARILLA
CASSIA
CEDAR-WOOD
CINNAMON
CITRONELLA
CLOVES
CORIANDER
CUBEBS
EUCALYPTUS GLOBULUS
GERANIUM
GINGER
HOPS
JUNIPER
LAVENDER
LEMON
LIMES
NEROLI
NUTMEGS
ORANGE, SWEET
ORANGE, BITTER
OTTO OF ROSE
PATCHOULI
PEPPERMINT
PETIT-GRAIN
PIMENTO
ROSEMARY
SANDAL WOOD
SASSAFRAS
SPEARMINT
TANGERINE
THYME
WINTERGREEN
YLANG-YLANG
&c. &c. &c. &c.

STANDARD WORKS, 95^A SOUTHWARK ST., LONDON, S.E.
AND 128 HOPE STREET, GLASGOW.

**TASMANIAN
EUCALYPTUS OIL COMPANY.**

TRADE MARK.

Obtained
First Award
and
Gold Medal

1891-92.

at the
Tasmanian
Exhibition.

1891-92.

DISTILLERS OF ABSOLUTELY PURE

OIL OF EUCALYPTUS GLOBULUS

From the Native "Blue Gum" Tree of Tasmania. Pure fragrant, and of highest medicinal value, as shown by H. Helbing, F.C.S., and Dr. Passmore.

Put up in Bottles containing 1½, 4, and 8 oz., for Retailing at 1/-, 2/6, 4/6.

Also in 1-lb. and 2-lb. Bottles, for Dispensing.

EUCALYPTUS PASTILLES,

For Throat and Voice. In Boxes, 1/- each.

For samples and Helbing's *Pharmacological Record*, write to the
London Offices—138 Leadenhall St., E.C.**CUMMINGS'**

TRADE



MARK

CYGNET BRAND**EUCALYPTUS OIL,**Distilled from the leaves of *Eucalyptus CNEORIFOLIA*, formerly considered a sub-variety of *E. Oleosa*, but now classed as a distinct variety.

The Trade are invited to test this carefully prepared Oil, which since its recent introduction from Australia has won the unqualified approval of the leading British, American, and Continental Authorities.

Its purity, pleasant perfume, the unprecedentedly large percentage of crystallizable Eucalyptol it contains, and other good qualities, are deservedly gaining the preference of buyers.

Samples and Quotations on Application.

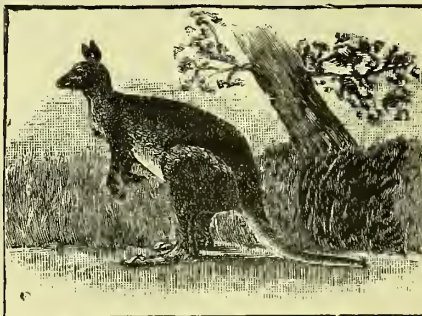
Sole Consignees—Wholesale only—

J. W. DRYSDALE & CO.

8 CREECHURCH LANE, LONDON, E.C.

**BICKFORD'S
EUCALYPTUS OIL**

25-lb. Tins.

KANGAROO

TRADE MARK.

25-lb. Tins.

BRAND.Is admitted to be the Purest Eucalyptus Oil yet introduced to the public.
To be obtained of your Wholesale Druggist.**SOLE CONSIGNEES—LAUGHLAND, MACKAY & BAKER, 50 Lime St., LONDON.****COLONIAL ADDRESS—A. M. BICKFORD & SONS, WHOLESALE DRUGGISTS, 46 CURRIE STREET, ADELAIDE.**

BOSISTO'S
"STANDARD TEST"
Eucalyptus Oil.

SPEC. GRAV. 0.915
AT A TEMPERATURE OF 15° CENTIGRADE
BOILING POINT PRINCIPAL FRACTION
174° TO 177° CENTIGRADE.

PARROT BRAND
REGISTERED
TRADE-MARK

ROTATES POLARIZED LIGHT
TO THE RIGHT (+3.5)
DISSOLVES 20 PER CENT.
OF SALICYLIC ACID.

This Oil is the product of FRESH EUCALYPTUS Foliage, obtained from the Desert Species, DUMOSA and OLEOSA, and yields under proper treatment—

35 per cent. Water-white Crystallizable Eucalyptol, having the Specific Gravity 0.920, Temp. 15° Cent., Crystallizing at—14° Cent., and Re-melting at—1° Cent.

BOSISTO'S EUCALYPTUS OIL RECEIVED THE SILVER MEDAL OF THE SOCIETY OF ARTS, LONDON, FOR THE INTRODUCTION INTO COMMERCE OF THE ESSENTIAL OIL OF THE EUCALYPTUS FROM AUSTRALIA, 1886. AND HAS BEEN AWARDED AT THE VARIOUS EUROPEAN, AMERICAN AND AUSTRALIAN EXHIBITIONS SINCE 1883,

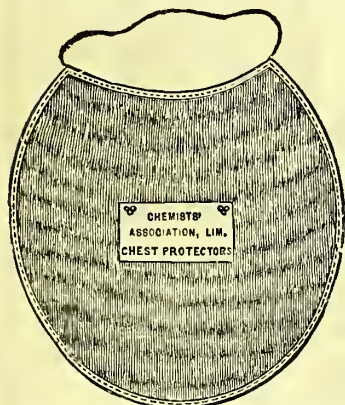
10 GOLD MEDALS, 8 SILVER MEDALS, 18 BRONZE MEDALS,
AND ALSO SPECIAL RECOMMENDATION FOR THE EMPEROR OF GERMANY'S 700 GUINEA PRIZE, 1881.

J. BOSISTO & CO
DISTILLERS OF ESSENTIAL OILS FROM AUSTRALIAN VEGETATION
RICHMOND. MELBOURNE.

Supplied by all Wholesale Druggists, or in original Cases only, containing either Thirty-six 1-lb. Bottles, or Twenty-five 2 lb. Bottles, by the

SOLE WHOLESALE AGENTS,
GRIMWADE, RIDLEY & CO., 82 BISHOPSGATE STREET, LONDON.

CHEST PROTECTORS & RESPIRATORS.



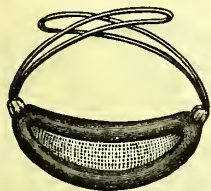
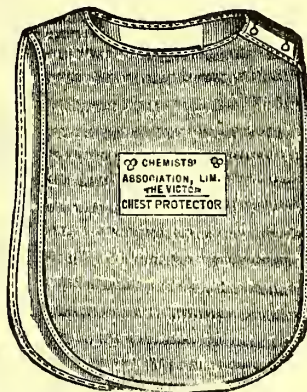
CHEST PROTECTORS.

FELT (Scarlet)—	No. 0	1	2	3	4	5	6	
Single ..	5/-	6/3	7/8	9/-	11/6	15/-	20/-	doz.
Double ..	11/6	14/-	18/-	22/-	26/6	35/-	44/-	"
"The Eclipse" (Vest Shape) }	17/6	23/6	31/6	39/-	48/-	56/-		"
NATURAL WOOL—								
Single ..	5/6	6/9	8/6	10/-	12/6	16/6	22/-	"
Doubles ..	12/6	15/6	20/-	24/-	29/-	39/-	48/6	"
"The Eclipse" (Vest Shape) }	19/3	26/-	34/6	43/-	53/-	62/-		"
CHAMOIS & FLANNEL—								
Single ..	5/3	8/2	11/-	12/10	15/3	19/-	—	"
Double ..	—	19/-	23/9	29/6	36/-	46/-	—	"
"The Eclipse" (Vest Shape) }	26/-	35/-	47/-	58/-	72/-	84/-		"

SAMPLES ON APPLICATION.

Subject to Special Discounts as under:—

X	5 per cent. on orders of less than £5 worth.	X
18	" " " £10 worth and upwards.	
15	" " " £25 " "	
20	" " " £50 " "	



RESPIRATORS (Non-corrodible Metallic).

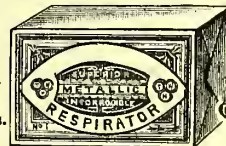
	LADIES' OR GENTLEMEN'S (as Illustration.)							
No.	1	2	3	4	5	6	7	8
Per doz.	7/6	11/6	13/3	19/-	22/-	28/-	42/-	47/-
								53/-

All other kinds kept in Stock.

N.B.—A Mahogany Glass Show Case presented with first orders of not less than £2 assorted.

Subject to Discounts as under:—

5 per cent. for orders of less than £2 worth.	12½ per cent. for orders of £10 worth & upwards.
10 " " " £5 worth & upwards.	15 " " " £25 " "
20 per cent. for orders of £50 worth and upwards.	



THE CHEMISTS' ASSOCIATION, LIMITED,
CURTAIN ROAD, LONDON.

Telegraphic Address—
"BEATROP LONDON."

Telephone No.
11,391.

ROYAL ROAD TO THE B.P.

A Mnemonical aid to the Galenical preparations of the British Pharmacopœia, 1885 and Additions, 1890, giving strengths, *modus operandi*, and every detail of the Official Waters, Plasters, Extracts, Infusions, Liniments, Pills, Syrups, Ointments, and Wines. Easy, interesting, and of guaranteed accuracy. "Very well done terse to a degree, and the catchy couplets must undoubtedly be a great assistance to the student."—*Magazine of Pharmacy*. "Students will find it of great assistance."—*British and Colonial Druggist*.

POST FREE 1/-.

W. F. CLAYTON, 69 EFFINGHAM ROAD, HORNSEY, LONDON, N.

THE "ECONOMIC SERIES"

Of Twelve Botanical Slides, illustrating the Arrangement of the Elementary Tissues.

Specially arranged for the use of Students in Botany and Materia Medica, and designed for instruction and reference. Each Slide is marked with its characteristic feature, so that the Student may know what to look for in his histological practice.

10s. 6d. the Set in Case complete. Free by Post.

G. T. W. NEWSHOLME, Sheffield.

NORTHERN SCHOOL OF PHARMACY, 100 BURLINGTON STREET, MANCHESTER.

PRINCIPAL: MR. GEO. CLAYTON.

The Full-time Classes are full until April; entries are now being made for the next term, commencing in April.

Prospectus, with full particulars, will be posted on application to the Principal.

NOW READY, SECOND EDITION, CROWN 8VO, PRICE 5s.

A PRACTICAL MANUAL OF

VENEREAL & GENERATIVE DISEASES:

Including SPERMATORRHEA, PROSTATORRHEA, IMPOTENCE, and STERILITY in Both Sexes.

By M. K. HARGREAVES, M.D.

Assistant Physician to St. John's Hospital for Diseases of the Skin.

LONDON: R. KIMPTON, 128 WARDOUR STREET, LONDON, W.C.

"CONCILIO ET LABORE"

THE

MANCHESTER COLLEGE OF PHARMACY.

Directors — Messrs. W. S. & C. TURNER.

At this Month's **MAJOR** Examinations, two students from the M. C. P. entered at London, and both passed, both at their first attempt, viz:—

Mr. W. R. FIELDING.

Mr. G. CRAWSHAW.

At the July **MAJOR** Examination in London, three M. C. P. men entered, and all passed, viz:—

Mr. S. W. OVEREND, Mr. L. BLAKELY, and Mr. J. T. DEAN.

All the M.C.P. Major Students since 1890, but one, have now passed, most of them at their first attempt, making a record of success equalled by few schools and excelled by none.

**SILVERLOCK'S
POSTAL ORDER
RECORD BOOK.**
WITH PRINTED HEADINGS.
Size 8 x 5, bound in cloth.
Price 1/6, Post free.

SAMPLES
FREE BY POST.

SILVERLOCK'S
CHEMISTS' SLIP LABELS
From 1/ per 1000; a reduction on large quantities.

CHEMISTS' COUNTER BILLS
Good Quality, 7½ x 5 .. 10,000, 15/ | Second Quality, 7½ x 5 .. 10,000, 12/6
" 9 x 5½ .. 10,000, 22/6 | " 9 x 5½ .. 10,000, 18/

CHEMISTS' PILL LABELS
From 1/3 per 1000; a reduction on large quantities.

COPPER-PLATES FOR SLIP AND DISPENSING LABELS
ENGRAVED FREE OF CHARGE.

Labels of every description, Price Lists,
Illustrated Trade Catalogues, Prospectuses,
Pamphlets, Show Cards, &c.

✠ ✠ ✠

H. SILVERLOCK,
Medical Label & General Printer,
92, BLACKFRIARS ROAD, LONDON, S.E.

**THE
CLINICAL CLERKS'
GUIDE TO URINE TESTING**
On 3-fold linen-lined card,
9 in. by 5 in.
Price 7d., Post free.

SAMPLES
Free by Post.

SAMPLES
Free by Post.

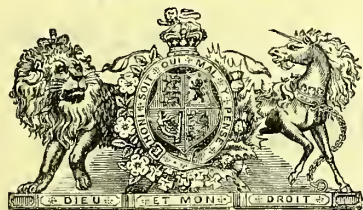
**JOHNSON'S
COMPENDIUM
FORM,**
For Issuing Trade Receipts and Expenses.
(Specially adapted for Chemists.)
Eighth Edition Revised price 9/6.
Or for Three Years with a three
Years Balance Sheet,
bound in one volume,
price 10/6.

**THE WHOLESALE
AND RETAIL
DRUGGISTS' PRICE BOOK**
BY D. ELLIOTT.
New Edition. Revised according to
the latest edition of the British Pharmacopœia, 1890.
In leather pocket size, bound
as a reference book.
This Edition can be used
as a reference book
if required.

6

REMINGTON STANDARD TYPEWRITER.

CONTRACTORS TO



HER MAJESTY'S GOVERNMENT.

From the time when the REMINGTON Type-writer—the first practical writing machine—was taken to the famous Remington Gun Works in 1873, till the present day, the policy of careful, constant, and progressive improvement, there inaugurated, has been steadily carried on.

The same policy will be pursued unceasingly in the future. Patents for improvements to this KING OF TYPEWRITERS are constantly issuing. It is now covered by 59 Patents, most

of them having from twelve to seventeen years to run.

Ample guarantee is thus afforded to our patrons that they will not be subjected to the annoyances incident to the use of other machines on account of suits for infringement.

The REMINGTON is to-day not only Unsurpassed, but Unapproached for Excellence of Design and Construction, Quality of Work, Simplicity, and Durability.

WYCKOFF, SEAMANS & BENEDICT,

100 Gracechurch Street, LONDON, E.C.

If you contemplate turning your
Business into a Company,
CONSULT

JORDAN & SONS,

Company Registration Agents, &c.,

120 CHANCERY LANE, LONDON, W.C.

Now Ready, Fifteenth Edition, Price 3s. 6d. net; by Post, 3s. 9d.

A Handy Book on the Formation, Management, and Winding Up of Joint Stock Companies. By WILLIAM JORDAN, Registration and Parliamentary Agent, and F. GORE-BROWNE, M.A., of the Inner Temple, Barrister-at-Law.



TO CATCH THE EYE

and retain the impression is the object of a Good Circular.

BOWERS BROS.'

Printing produces the best result.

SATISFACTORY. APPROPRIATE. ATTRACTIVE. ARTISTIC. QUANT.

PLAIN. **PRINTING**

ODD. WHAT APPEALS MORE PERSUASIVELY?

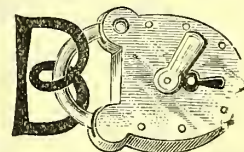
BOWERS BROTHERS are always at your service.

We do not keep our ideas under lock and key; they are for use in all departments of our Business.

BOWERS BROTHERS,

THE PRINTERS,

89 Blackfriars Rd., LONDON, S.E.



THE CHEMISTS', DRUGGISTS', AND ALLIED TRADES EXHIBITION

TO BE HELD APRIL 22, 24, 25, 26, 27, 28, 29, 30, 1893,

AT THE ROYAL AGRICULTURAL HALL, LONDON, N.

Immediate Application for Space is necessary from those Firms desiring Special Positions.

Full particulars, and Plan of the Hall, on application to JOHN BLACK (Sec.), Exhibition Offices, 2 Newcastle Street, Strand, W.C., London.

GEORGE TREBLE & CO.

SHOP FITTERS & SHOW-CASE MAKERS,

Chemists waited upon in any part of the United Kingdom. Plans and Estimates supplied free of charge.

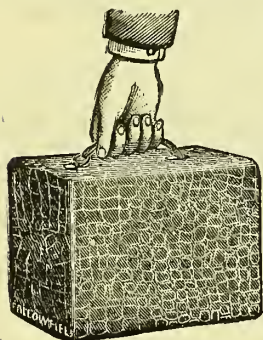
59 RHODES STREET HOLLOWAY, LONDON. N.

FALLOWFIELD'S PHOTOGRAPHIC ANNUAL, 1892-3,

1/- 592-PAGES. 806 ILLUSTRATIONS. 1/-

(FREE TO CHEMISTS ONLY).

SPECIAL DISCOUNTS TO CHEMISTS.



"FACILE" HAND CAMERA,

£3 13s. 6d. and £5 5s.

"FALLOWFIELD" HAND CAMERA

£7 17s. 6d.

PERFECTION of ELEGANCE and WORKMANSHIP.

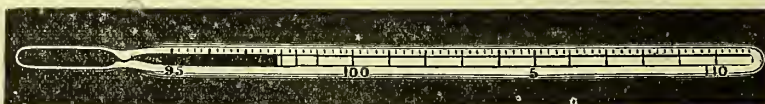
Fullest Particulars in 24-page Illustrated Pamphlet (Post Free)



JONATHAN FALLOWFIELD,

CENTRAL PHOTOGRAPHIC STORES,

146 CHARING CROSS RD., LONDON.



STRENGTH,
RAPIDITY,
AND
ACCURACY.

All other Thermometers have a contraction in the stem an inch above the bulb, and a chamber within which retains a part of the mercury. This is a defect, as it is a difficult matter to heat the mercury properly in this chamber, it being so far away from the bulb and mouth.

The "NON PLUS ULTRA" Thermometer has no chamber, and the constriction is right on top of the bulb itself.

Result—a truer temperature is taken, and in half the time; the scale is much more open and easy to read, as the divisions and figures are so much nearer the bulb.

It has greater strength, and the price is no higher!!!

NOW READY.

And can be obtained at once of all OPTICIANS and LEADING SURGICAL HOUSES.

See Press Opinions.

THE "NON PLUS ULTRA"

CLINICAL
THERMOMETER.

The
Superintendent
of the Royal Kew
Observatory says:—

"Their manufacture is a piece of undoubtedly high-class glass-blowing, and I also think that the removal of the contraction of the glass stem, usually placed at about half-an-inch from the bulb, will tend greatly toward extending the average life of a thermometer by increasing its strength, independently of the fact that, with the diminished bulb, much less time is required now to register a patient's temperature, and so you will be conferring a very large benefit on the medical profession by its introduction to the world."

EVERY THERMOMETER OF THIS MAKE IS GUARANTEED TO REGISTER THE TEMPERATURE IN LESS THAN TWO MINUTES.
PRICE LIST ON APPLICATION.

SOLE PATENTEE AND MANUFACTURER—

JAMES J. HICKS, 8, 9, 10 Hatton Garden, LONDON, E.C.

DARTON'S IMPROVED CLINICAL THERMOMETER.

**REDUCED
PRICES.**

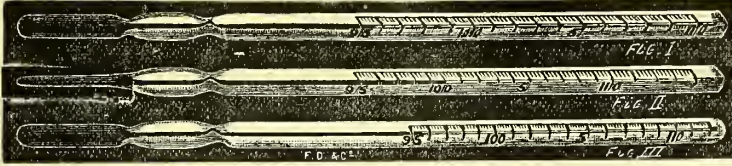


Fig. 1

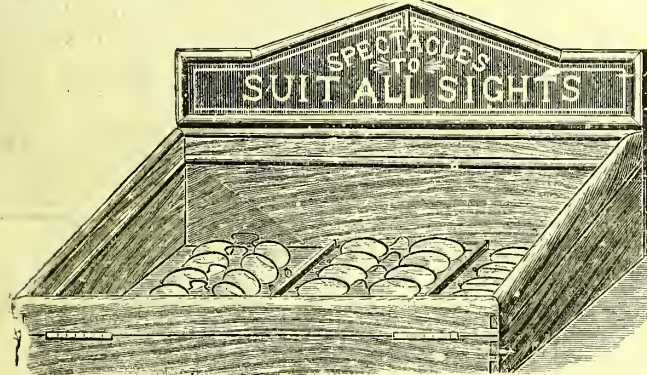
Fig. 2.

Fig. 3.

Hospital Pattern, in German Silver Cases	...	...	...	...	...	...	...	18/	per dozen.
Standard do., Fig. 3	"	"	or Vulcanite	...	...	...	...	21/	"
Lens Magnifying Front, Hospital Pattern, Fig. 1, in German Silver Cases or Vulcanite	...	...	...	...	...	...	...	30/	"
Do., rapid action, by which readings can be taken in as short a time as 30 seconds, Fig. 2	...	...	...	...	...	...	...	42/	"
New Certificates	...	...	...	...	...	...	...	12/	doz. extra.

We beg to caution our clients against buying spurious imitations of our well-known goods.

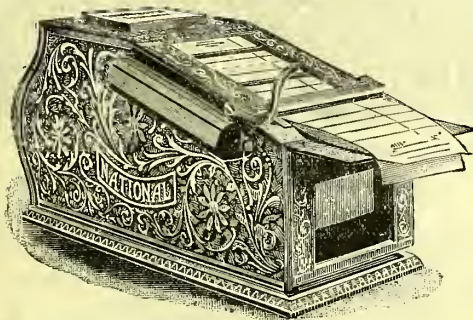
DARTON'S SHOW CASES OF SPECTACLES.



Chemists commencing the Spectacle business will find these Show Cases arranged with an assortment of Spectacles and Folders of all sights, to meet the requirements of purchasers. The quality and quantity may be varied to suit any class of trade at customer's wish. Case is of Solid Polished Mahogany, well made and finished, to stand any climate. A large Coloured Show Card is sent with each case, and instructions for testing sights, with table of Nos., and together with Sight Tester, £2 2s.; do., with assortment of Folders and Test Types, £3 3s.; Large-sized Case, with more complete assortment, £6 6s.; do., with assortment of Pebble Spectacles, £10 10s.; Large-sized do., £21.

The following Trade Lists, now ready: "Spectacles and General Optics," "Meteorological Instruments," "Electric Bells, Medical Batteries, &c.," mailed Free to any part of the World.

F. DARTON & CO., (Makers to H.M. Government) Clerkenwell Optical Works. **142 ST. JOHN STREET, LONDON, E.C.**



SPECIALLY ADAPTED FOR
CHEMISTS' AND DRUGGISTS' COUNTERS.

THE AUTOGRAPHIC CASH REGISTER.

Specially adapted to the requirements of every Retail Chemist and Druggist. The "Autographic" supplies **THREE INFALLIBLE RECORDS** of each sale made by the assistant, and all from the one entry.

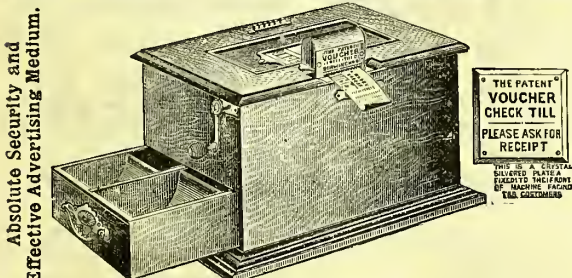
Price, all complete - £6 10s.

Manufacturers and Patentees: **THE NATIONAL CASH REGISTER TILL CO.**

London Office and Showrooms: **356 STRAND, W.C.**

J. W. ALLINSON, SOLE IMPORTER.

THE PATENT "VOUCHER" CHECK TILL.



WHAT USERS SAY OF IT.

"The best Check Till extant."—"Balance exact."—"Very superior to other systems."—"Saves a lot of expense."—"Not seen its equal as a check." Testimonials and Prices from

THE PATENT VOUCHER CHECK TILL CO., LIM.
Burlington Chambers, New Street, BIRMINGHAM.

LONDON HOMŒOPATHIC HOSPITAL AND MEDICAL SCHOOL, GREAT ORMOND STREET, BLOOMSBURY, W.C.

President—THE LORD ESBURY.

Contains 90 Beds, and being entirely supported by Voluntary Contributions, Donations and Annual Subscriptions are earnestly solicited. The Hospital is always open to the inspection of visitors, and Clinical Instruction is given in the wards and Out-patient Department to Medical Students and Practitioners. It possesses a valuable Library of Homœopathic Publications, which Medical Men are invited to study. They are also invited to visit the Dispensary. The In-patients number over 700 annually; the Out-patients nearly 9,000 annually. The number of Patients treated since the inauguration in 1849 exceeds 215,000. It has a staff of Nurses for Ward Nursing and Nursing Invalids at their residences.

G. A. CROSS, Secretary-Superintendent.

READ AND USE

THE ART OF DISPENSING. Price 3s. 6d.

ALPHE'S HANDY BOOK OF MEDICINE STAMP DUTY. Price 7s. 6d.

PROCTOR'S MANUAL OF PHARMACEUTICAL TESTING.
Price 2s. 6d.

VETERINARY COUNTER PRACTICE. Price 3s. 6d.

Published at the Office of **THE CHEMIST AND DRUGGIST,**
42 Cannon Street, E.C.

BORAX & CAMPHOR SOAP.
(DODD'S PATENT.)

DODD BROS. desire to draw the attention of the trade to their Borax and Camphor Soap, the demand for which is being rapidly created, and it finds a ready sale wherever introduced. It is specially adapted for washing the Hair, and is invaluable for the Skin, Bath, and Toilet. It is packed in handsome carton cases, and retails at 6d. One-dozen box makes an attractive show.

Artistic showcards and handbills on application to Dodd Bros., Stamford Hill, London, N.

SOLD BY THE FOLLOWING WHOLESALE AGENTS:-

London—Parclay & Sons, W. Edwards & Son, R. Hovenden & Sons, Lynch & Co., S. Maw. Son & Thompson, May, Roberts & Co., F. Newbery & Sons, J. Sanger & Sons, Shirley Bros., W. Sutton & Co.	Birmingham—Southall Brothers & Barclay.	Glasgow—Apothecaries' Co.
Belfast—Clark & Co., McMullan & Co., W. J. Rankin.	Bristol—Ferris & Co., A. & J. Warren.	Leeds—Goodall, Backhouse & Co.
	Cork—Kilon & Co. (Limited).	Liverpool—Evans, Sons & Co., John Thompson.
	Dublin—Hayes & Co., McMaster, Hodgson & Co.	Manchester—Oldfield, Pattinson & Co., J. Woolley, Sons & Co.
	Edinburgh—Duncan, Flockhart & Co., Raines, Clark & Co.	Nottingham—J. H. Haywood & Sons.
		York—Bleasdale & Co., Raines & Co.

GENUINE EAU DE COLOGNE.

JOHANN MARIA FARINA, Gegenüber dem Laurenz Platz,
Has the second largest sale amongst Chemists in the United Kingdom.

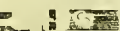
2 oz.	4 oz.	$\frac{1}{2}$ Pint Wicker.	Pint Wicker.	Quart Wicker.
7/6	14/-	21/-	42/-	84/- per doz.

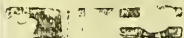
Sole Agents—OSCAR MOENICH & CO., 8 Coleman Street, LONDON, E.C.

Dorothy Dentifrice



IS NOW PUT UP

IN 



6d.

AND

1/-

BOXES.

It is confidently expected that in this convenient form a greatly increased demand may be expected for this popular Toothpowder. The DOROTHY DENTIFRICE will be liberally advertised in the best publications, and it will pay Chemists to keep it in stock.

IF YOU STOCK "DOROTHY,"
WE WILL DO THE REST.

Write for particulars and terms.

DOROTHY DENTIFRICE CO., 11 and 13, St. Br. de St., London, E.C.

OKELL'S ORIGINAL MONA BOUQUET.

(First introduced by the late JOSEPH OKELL.)

Registered Trade Mark, "DOUGLAS PIER."

The most popular and best-selling Perfume in the market.
Retail Prices, 1/-, 1/9, 3/6, 6/-, 7/6, 10/6 per Bottle.
ALSO 3d. SAMPLE BOTTLES.

Shippers and Wholesale Buyers supplied on the best terms by
**THOMAS WEST, 1185 & 1187 CHESTER ROAD, MANCHESTER.
STRETFORD,**

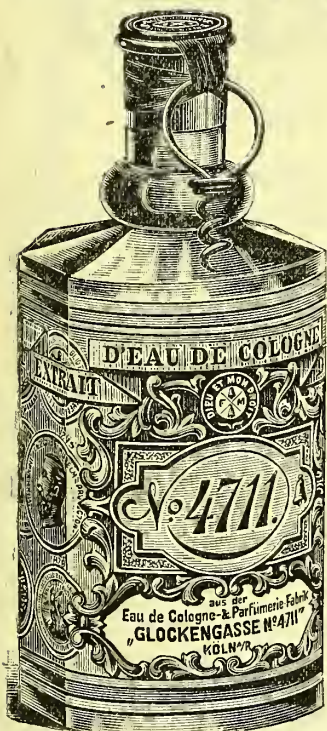
FELIX BERGER,
7 Mark Lane, London, E.C.

FOSSIL MEAL,
OR
INFUSORIAL EARTH
(KIESELGUHR).

RAW, CALCINATED, AND WASHED, the
PUREST OFFERED, as every parcel is
analysed by an Analytical Chemist.

Samples and Quotations on application.

THE ORIGINAL **No. 4711 (MULHENS',)** BRAND
OF
EAU DE COLOGNE



The Gentlewoman writes as follows:—"Those of us who are connoisseurs in this matter of perfume know how greatly the various so-called Eaux de Cologne vary, and are well acquainted with the superiority of the '4711' make over all others. This possesses an unequalled degree of refreshing fragrance, is at the same time both stronger and more delicate, and is not only better, but more lasting than others."

Young Ladies' Journal:—"Its pure, fresh scent never palls as is the case with many perfumes."

The World says:—"Anyone desirous of getting a thoroughly genuine Cologne cannot do better than send for a bottle of the '4711' double extract. Once having used it, repetition is a foregone conclusion."

Lady's Pictorial says:—"Its quality is absolutely the best, while for purity and lasting effects it has no rival. . . . We can most cordially advise all our readers to make a point of obtaining the No. '4711' brand."

Truth finds it "really deliciously sweet."

OF ALL WHOLESALE FIRMS IN THE U.K.

Do not omit to mention the "No. 4711," and the Blue and Gold Printed Label, which commands a higher Retail Price than any other Brand whatever.

LONDON BRANCH:—62 NEW BOND ST., W.

Wholesale, Export, and Retail—R. J. REUTER, Manager.

IMPORTANT NOTICE

TO CHEMISTS AND DRUGGISTS.

Messrs. A. ROWLAND & SONS, Proprietors of Rowland's Macassar Oil, Kalydor, and Odonto, have had designed for them a new and beautifully-coloured

SHOW-CARD

after the style of the illustration in this advertisement, and will be glad to send one to any Chemist or Druggist, Free of Cost, who will send his Name and Address, or if residing out of England, the address of any wholesale house to whom it may be sent for enclosure. Also Dummies of all three articles, to save the real articles from being soiled by exposure in the window or show-case. These cards are of the same design as those sent out in May, June, and October, 1892, so those Chemists who have already had one will probably not require another.



A. ROWLAND & SONS, 20 HATTON GARDEN, LONDON.

STOCK KEPT IN LONDON.

SOZIO & ANDRIOLI

ESTABLISHED A.D. 1767.]

GRASSE (Alpes Maritimes), FRANCE.

Neroly, Lavender, Geranium, Orris, Patchouly, Thyme, Rosemary, Spike, Santal, &c.

CONCENTRATED PERFUMES.**CONCRETE ESSENTIAL OILS.**

FLOWER POMADES at the highest possible Saturation. ROSE & ORANGE FLOWER WATER, Sweet Almond Oil.

London Agent—MR. FREDK. BOEHM, 4 CULLUM ST., E.C.

STOCK KEPT IN LONDON.

INFALLIBLE REMEDY FOR TOOTHACHE.

TAITE'S TOOTHACHE TABLETS.

These Tablets are composed wholly of pure and harmless Vegetable Substances, blended together in proportions, the result of long experiment and trial, and Messrs. TAITE & CO. have every confidence in recommending them to the suffering public. There is nothing deleterious in their composition, and, applied to the gums, GIVE IMMEDIATE RELIEF.

Mr. GOODMAN, the well-known Dentist, of Ludgate Hill, says:—"I have never known them fail."

Prices 7½d., 1s. 1½d., 2s. 9d., and 4s. 6d. To be obtained of all Chemists, or post free of

TAITE & CO. (Sole Proprietors), 6 DUKE STREET, ADELPHI, LONDON, W.C.

CHEST AND LUNG PROTECTORS.



Scarlet—	No. 1	2	3	4	5	6
Double..... per doz.	14/-	18/-	22/-	27/-	36/-	44/-
Single	"	6/-	8/-	9/6	11/6	15/6
The "Winter"						
Fig. 97. Vest Shape, "	18/-	24/-	30/-	36/-	42/-	55/-
Natural Grey Fur-Felt (Solport's).						
Double..... per doz.	15/-	20/-	25/6	34/-	42/6	52/-
Single	"	6/6	9/-	12/-	15/6	20/-

NATURAL GREY FUR-FELT CHEST PROTECTORS

These are made from a specially-manufactured felt, the material of which is pure, soft, undyed Lamb's Wool—to which is added the Fur of the Grey Coney.

They present several advantages.

They are very comfortable to wear, being soft, smooth, and warm.

They allow free circulation for the air.

They are undyed, so cannot irritate the most sensitive skin.

FRANCIS NEWBERY & SONS,

Druggists' Sundriesmen, 1 & 3 King Edward St., Newgate St., LONDON, E.C.

ESTABLISHED 1746.

Perfumes.

Powders.

Pills.

WILLIAM

BLEASDALE & CO.

Cucumber & Glyc.

Cod-liver Oil.

Cachous.

Invite applications for their Revised Price List, which speaks to the Drug Trade that is,

YORK,

without forgetting the traditions of the Drug Trade that used to be.

20 HIGHEST AWARDS.

Pears' Soap

Soap Makers
by Appointment to



H.R.H.
The Prince of Wales.

RETAIL PRICES.	6d.	SIZE, unscented	-	-	-	Per Dozen.	4s.	WHOLESALE PRICES.
	1s.	„	all shapes, Washing or Shaving				8s.	
	1s. 6d.	„	Ditto		ditto		12s.	
	2s. 6d.	„	(The Washing Tablets are perfumed with Otto of Roses)				20s.	
	<hr/>							
TRANSPARENT GLYCERINE		2s. per Box of 3 Tablets	16s.	Per dozen Boxes.				

DISCOUNT of 20 per Cent.
On all ORDERS of NOT LESS than **£5.**

(GROSS TRADE-PRICE VALUE.)

If accompanied by Remittance,

[Lesser Quantities 15 per Cent. Discount only.]

IMPORTANT STATEMENT.

No Dealer in the Kingdom, "Wholesale or Retail," for any quantity whatever obtains more than the above **20 PER CENT.** Discount.

(Signed), *A & F Pears*

71-75, NEW OXFORD STREET, LONDON, W.C.

EXCHANGE COLUMN.**FOR DISPOSAL.****Drugs and Chemicals.**

14 lbs. pot. bromid., 1s. per lb.; 6 lbs. beta naphthol, 2s. per lb. 57/36, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

Poppies.—For sale, in any quantity, at clearance prices; no reasonable offer refused for smalls and mediums. Samples and quotations from Bell Brothers, Epworth, Doncaster.

Dental.

10 lbs. red rubber, 2s. 9d. per lb. 57/36, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

Dentist giving up.—Bargain, to clear, about 250 Dintorie frowns, 7s. 100; 250 molars and bicuspid, 6s. 100; 500 platinum-pin teeth, molars and bicuspid, 22s. 100; 2 lbs. red rubber, 2s. 6d. lb. Pearce, Rosemont Villa, Stapleton Road, Bristol.

Literature.

Journals Society of Chemical Industry for 1891-1892, complete, 26s. Fletcher Bros., Grimsby.
The Chemist and Druggist, 1880 to 1890, clean and mostly perfect, 2d. lb. or offers, Allen, Chemist, Plymouth.

Four vols. "The National Burns," quite new, cost 10s. each; what offers? or exchange. Rees, Chemist, Brynamman, Carmarthenshire.

Educational.

Attfield's "Chemistry," Bentley's "Structural Botany," and Ince's "Grammar." "Statim," 34 Leinster Terrace, Bayswater, W.

Swift's new College microscope, with $\frac{1}{2}$ -in. and $\frac{1}{4}$ -in. objectives and stage condenser, in mahogany case, 6l. Hinton, 38 Bedford Street, Strand, W.C.

Student's microscope, of the short or Hartnack pattern, with 2 eyepieces and 2 objectives, complete and perfect in mahogany case, 4l. Hinton, 38 Bedford Street, Strand, W.C.

Microscope by Stauley, suitable for Minor or Major work, perfect condition, $\frac{3}{4}$ and $\frac{1}{4}$ in. objectives, in mahogany cabinet, price 4l. 10s., approval. Rossiter, 323 Kentish Town Road, N.W.

Materia medica specimens in small cabinet drawers, beautifully arranged, includes many more than B.P. specimens; also chemical apparatus and bottles; no reasonable offer refused. Address, Scholfield, 52 Freehold Street, Leeds.

Proprietary Articles.

6 doz. Alcock's plasters, 1s. 13d., 4s. 9d. per doz. 57/36, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

Half gross price—24 Silver's pills, 13½d.; 12 Townsend's pills, 13½d.; 12 Silver's oils, 1s.; 12 vascline confections, 13½d.; 6 Parr's pills, 13½d.; 100 Mason's Killeorn, 1s., &c., &c.; full list sent. Brearey, Douglas, Man.

Formulæ.

Rheumatic-mixture, gout-pills, digestive-mixture, chilblain-liniment, cough-pills, inseparable lime cream, 1s. each, or the 6 for 5s., post free. G. Harold, Battle, Sussex.

Recipe to prevent milk-fever in cows, by late eminent vet. surgeon, never known to fail, 25 years' experience, full particulars 2s. 6d. Francis Norbert & Co., Crowle, Doncaster.

Reliable recipes for seasonable requisites. Detailed Lists free.—Glycerine cream, chilblain-remedy, influenza-mixture, the specific, instant cure for toothache, "occasional" mixture for ladies, cold cream (very superior), bronchitis-mixture, eucalyptised catarrh pungent, bluish-rose face-powder, tannin and rose gargle, pick-me-up tonic new cough-syrups *sine* scheduled poisons. Recipes 1s. 1d. each, 3 for 2s. 6d.; above 13 for 10s., post free. Tom Brooks, Chemist, Horsey, N.

Shop Fittings.

Set of shop-rounds, labelled, about 12 dozen various sizes; Avery's scales, &c.; all perfectly new; 20 per cent. off list prices. Walker, Upper Brighton, Liverpool.

Job lines in ointment-jars, new.—Pink, dome tops, $\frac{1}{4}$ lb., 6s. doz.; 1 lb., 12s. doz.; 4 lb., 27s. doz.; blue, canopy tops, $\frac{1}{4}$ lb., 4s. doz.; 1 lb., 9s. doz.; 4 lb., 15s. doz. Natali, 40 Gray's Inn Road, London.

Two counters, glass cases, 250 gold-labelled stoppered rounds, jars, contents, 2 nests of drawers, 4 carboys, complete fittings of chemist's shop for immediate sale. On view, before 12, 3 St. George's Circus, Southwark, Exchange, 20l.

Second-hand swan-neck carboy and stand, 8 gall., 60s.; 8 gall., pear shape, 21s.; 4 gall., 12s.; 2 gall., 6s.; 2 specie-jars, 32 in., gilt glass covers, Royal aris, equal to new, 45s. each; smaller ones, 25s. and 35s. Natali, 40 Gray's Inn Road, London.

Job line.—A 12-doz. set of gold-labelled shop-rounds, English hand-made, guaranteed quite new (sizes, 2 doz. each 40 oz., 20 oz., 16 oz., 10 oz., 8 oz., 6 oz.), in equal quantities, wide and narrow mouth, 5l. per set, or can be divided; syrups, 11s. doz. Natali, 40 Gray's Inn Road, London.

Second-hand 8 ft. mahogany counter, plate-glass cases in front, with handsome dispensing-screen on top, mirror and marble centre, fine quality, 16l., can be separated. Natali, 40 Gray's Inn Road, Holborn, London.

Shop-fittings, second-hand, for sale, great bargains; 12-ft. run of drawers, mahogany fronts with glass labels and knobs, 8l.; plate-glass-fronted counter, 5l.; dispensing-screen, desk, and case, 50s.; other fittings cheap. Philip Josephs, 54 Old Street, Goswell Road, London.

Miscellaneous.

Six dozen Imperial fire grenades; what offers? 43/41, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

Irrigators, equisiers, quite clean, new, and perfect, 8 assorted, half wholesale price. Hinton, 38 Bedford Street, W.C.

Army amputation-case, Queen's Regulation pattern, all complete and in good order, only 2l. Hinton, 38 Bedford Street, Strand, W.C.

Best reversible nickel-plated pill-machine, for 1-grain and 3-grain pills, quite new, never used, cost 40s., price 20s. Hinton, 38 Bedford Street, Strand, W.C.

Job lines.—Sponges, about 25 doz. little soft Turkey for bathing wounds, 1s. doz., 3 doz. 2s. 6d. free; toothpicks (quill), 16 boxes' 1 doz. 3d. packets each, 18d. box, free. Brooks, Chemist, Horsey, N.

WANTED.

Exchange of almanacks. Hinde, Banbury.

Attfield's "Chemistry," late edition. Post Office Great Lister Street, Birmingham.

Set of good plated tooth-instruments, must be modern. White, Chemist, Ibstock, Ashby-de-la-Zouch.

1-gall. tincture press, Maw's fig. 20; bougie mould (12). 59/32, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

Second-hand microscope; also burette, centimetre graduations, send particulars and prices carriage paid. Ware, Capstone Pharmacy, Ilfracombe.

A few copies of *The Chemist and Druggist* for October 8, 1892, in good condition; 6d. a copy offered. Please address, A. Eckenstein, 29 Douglas Road, N.

TRADE MARKS
ADVICE GRATIS. REGISTRATIONS. SEARCHES, REPORTS, IDEAS.
MODERATE INCLUSIVE FEES
T. B. BROWNE, Trade Mark Department,
161-3, Queen Victoria St., London, E.C.—353-5, Canal St., New York.

SUGAR OF MILK
(SYSTEM LANGEN). 1
Highly recommended by authorities. The only make of perfect purity in all respects.
AGENTS—
BURROUGHS BROS.
66 Basinghall St., London, E.C.


GOOD ADVICE FOR 1893.

If you wish to sell goods which please customers and profit vendors, send for Price List of our "Really Reliable Remedies" for Horses, Cattle, Dogs, and Poultry, specially

GABRIEL & TROKE'S GELATINE CAPSULED HORSE BALLS.

EASY IN ADMINISTRATION!

EFFICIENT IN ACTION!

Samples free on application.



ECONOMICAL IN PRICE!

EQUALLED NEVER

THOUGH

IMITATED OFTEN!

WALKER, TROKE & CO., 65 BATH STREET, CITY ROAD, LONDON, E.C.

JOHNSON'S SULPHUR FUMIGATOR.



Patent No. 18,434
of 1891.

Patent No. 18,434
of 1891.

FOR FUMIGATING INFECTED ROOMS AFTER

Cholera, Diphtheria, Typhoid Fever, Smallpox, Scarlet Fever, & other Contagious Diseases.

Destroys noxious vapours from sewers, &c. By the use of these Fumigators a safe and convenient mode of burning sulphur indoors is provided. One Fumigator will burn two hours, and is sufficient for an ordinary sized room.

JOHNSON'S PUMIGATOR is put up in a specially prepared FIREPROOF BOX, and will not burn nor become red hot like tin or other metal packages.

Packed in neat Show Boxes with folding covers. A showy Counter Article. Retail price, 1/.



100 leaves in tin box, price 5s.

To all concerned in Mustard Plasters because they are the best made.

TRADE PRICE LIST OF JOHNSON & JOHNSON'S IMPROVED MUSTARD PLASTERS

	On Paper	On Cloth	Retail price
3 leaves in round tin box, per dozen..	2/9	3/-	/6 each
6 " " " " " "	5/-	5/6	1/- "
10 " " " " " "	7/-	8/6	1/6 "
100 " " one in envelope, in tin box, per box	5/-	6/-	1/1 "
Yard rolls, 6 in. wide, per dozen	7/-	8/6	1/6 "
Half-yard rolls, 6 in. wide, per dozen	5/6	6/-	1/- "

Sample Mustard Leaf mailed to any chemist's address, without charge, on application: or on receipt of 8d. in stamps, 1 box 10 leaves paper (see cut), and 1 box 3 leaves cloth, retail for 2/.



10 leaves in flat tin box, at 7/- per dozen boxes.

In ordering from the Wholesale Trade specify **JOHNSON & JOHNSON.**

TRADE LISTS ON APPLICATION TO

JOHNSON & JOHNSON, LTD., 1 & 2 AUSTRALIAN AVENUE, E.C.

SYPHONS • SELTZOGENES



Messrs J. BARRE JOHNSTONE & CO., 20 Loftus St., Sydney N.S.W.
Agents for New South Wales, Queensland, and New Zealand

**SODAWATER
MACHINERY**
AND APPLIANCES
BRATBY & HINCHLIFFE LTD
ANCOATS 146 MINORIES
MANCHESTER LONDON

81 ROBERTSON STREET, GLASGOW.

PRICES.

SYPHONS ... 1/6 1/8 and 1/10 each.

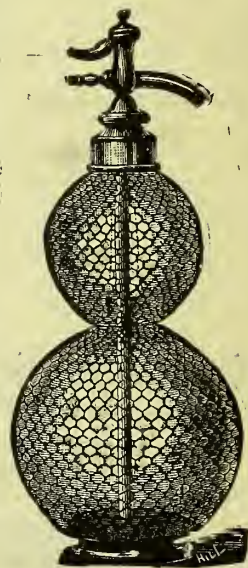
SELZTOGENES.

1 2 3 4 5 8 pint.
5/6 6/2 7/ 8/ 9/11 15/6 each.

Including two funnels and stopper for charging.

All our Seltzogenes are manufactured on the well-known "Fevre" System, and each one is thoroughly tested before leaving the works.

Messrs. NOYES BROS., 43 Queen Street, Melbourne, Victoria,
Agents for Victoria, South and West Australia, and Tasmania.



ESTABLISHED NEARLY FIFTY YEARS.

PRIZE MEDALS AWARDED AT ALL THE EXHIBITIONS

EUGENE GERAUT & CO.'S

LATEST

NEW PATENT SELTZOGENE

PATENT No. 18,305.

For the immediate Preparation of Seltzer Water, Eau de Vichy,
Soda Water, Sparkling Lemonade, Aërated Waters, &c.



Finding so many complaints through the screws of Seltzogenes getting worn and Customers not screwing taps on tight enough, E. G. & Co. have patented the above improvement in their Seltzogenes, which differs materially from the numerous kinds that have from time to time been introduced, there being no screwing required, thus the machines cannot easily get out of order.

In place of Screw on Tap, there is a Clip, which is easily fastened to the Seltzogene, any Child being able to Screw the little Key at Top, and making perfectly Air-tight the Apparatus.

**WEAR AND WORKING GUARANTEED.
NO MORE SCREWING REQUIRED. TAP
CANNOT GET CORRODED.**

CONTRACTORS TO HER MAJESTY'S GOVERNMENT.

SOLE ADDRESS—

13 & 141 Farringdon Rd.,
LONDON, E.C.

Seltzogenes and Gazogenes Repaired.

LIST OF

MASON'S EXTRACTS

AND

WINE ESSENCES.

EXTRACT OF HERBS	LEMONINE
" DANDELION	CIDERINE
" Sarsa-Arilla	HOREHOUNDINE
" HOPS	FOAMINE
" GINGER	WINTER EXTRACT
" GINGER ALE	

Mason's Wine Essences.

GINGER	SARSAPARILLA
RASPBERRY	LEMON SQUASH
COWSLIP	CHERRY
STRAWBERRY	PEPPERMINT
ORANGE	PORT
BLACK CURRANT	SHERRY
RED CURRANT	CLOVES
LEMON	ELDERBERRY
LIME FRUIT	DAMON
JARGONELLE	RHIN
QUININE	GOOSEBERRY
FINE APPLE	"WARWINE"

SOLE INVENTORS AND MANUFACTURERS—

NEWBALL & MASON,

Manufacturing Chemists,

HYSON GREEN WORKS, NOTTINGHAM.

NATURAL MINERAL WATERS

Packing
Free.

INGRAM & ROYLE,

Packing
Free.

LONDON—52 Farringdon St., E.C.

LIVERPOOL—19 South John Street.

SOLE IMPORTERS OF

VICHY

(STATE SPRINGS)

VICHY

ÆSCULAP, CARLSBAD, CARLSBAD SALTS, LA-BOURBOULE, ROSBACH, VALS, &c., &c.

NAME.	Per Dozen.		Original Packages.				NAME.	Per Dozen.		Original Packages.			
	Bots.	½ Bots.	Bottles.		½ Bottles.			Bots.	½ Bots.	Bottles.		½ Bottles.	
Æsculap	15/	12/	25	30/	50	50/	Levico	15/	12/	40	36/	40	25/
Apollinaris	6/3	5/	50	25/	100	39/	Pullna	12/	8/	50	25/	50	25/
Bourboule (La)	11/	..	50	42/	..	..	Reisdorf	6/	..	50	25/	50	25/
Carlsbad	12/	..	50	46/	..	..	Rosbach	6/	5/	50	24/	100	36/
Condal .. .. .	..	14/	..	..	50	56/	Royat	9/	..	50	34/	..	..
Contrexeville	9/	..	50	35/	..	..	Rubinat	15/	9/	25	30/	50	36/
Flitwick	24/	15/	..	..	..	..	St. Galmier	6/	..	50	22/	..	..
Franz-Josef .. .. .	..	12/	..	..	50	42/	St. Marco	11/	6/6	50	42/	100	52/
Friedrichshall	13/	10/	25	25/	50	40/	Selters	6/	4/0	50	24/	..	17/
Hunyadi-János	15/	13/	25	30/	50	50/	Vals	8/6	..	50	33/	50	29/
Johannis-Brunnen	6/	4/6	50	22/	100	35/	Vichy (State Springs)	8/6	7/6	50	33/	..	29/
Kronenquelle	10/	..	50	40/	..	..	"Celestins," "Grande-Grille," &c.	..	..	..	..	..	..

CARRIAGE PAID to any RAILWAY STATION in the UNITED KINGDOM.
DETAILED PRICE LIST AND PAMPHLET ON APPLICATION.

MACHINE-CUT ORANGE & LEMON PEELS

(FRESH or DRIED).

Having received several shipments of Seville Oranges and Messina Lemons, we are prepared to supply the *specialty* machine-cut Peels which have given such general satisfaction to the trade since their introduction. The Fresh Peels are cut *free from pith* in small shreds (about 1" x $\frac{1}{16}$ "), a condition acknowledged to be the most favourable for the manufacture of Official Tinctures and Infusions and of Soluble Essences.

The **DRIED PEELS** are cut as free from pith as possible, and every care taken in drying to preserve the colour and aroma.
Samples will be sent free on application.

CHARLES SOUTHWELL & CO., DOCKHEAD, S.E.

"A CAPITAL IDEA"!!
Said friend JONES, the GO-AHEAD CHEMIST. "I'VE DOUBLED MY TRADE last year since I commenced packing all my customers' prescriptions in Glover's small wood boxes."
And JONES CHUCKLED!!

"CAPITAL, INDEED"!!!
Said the Colonial Shipper. "Those light nested boxes, shipped in cases (each containing 4-gross nests), are just what is wanted, and I am getting repeat orders doubled. We are all indebted to the Makers."

Messrs. C. H. GLOVER & CO., of Hatcham Sawmills, Ormeide St., Old Kent Road, LONDON, S.E."!!

WOODEN BOXES
ALL SIZES
MADE TO ORDER

PRICE 14/-
per doz. nests of 6
Boxes, planed and hinged,
from 5' x 2 1/2' x 1 1/4' to
9 1/2' x 6 1/2' x 4 1/4'. Nests of 6 for Bottles,
4 oz. to 16 oz., at same price, Single nest, 1/6.
Special Terms for Large Quantities to Shippers.

TELEPHONE 4888
CABLEGRAMS
GLOVERS HATCHAM
TRADE MARK

BY SPECIAL
H.R.H. THE DUKE OF
ROYAL



APPOINTMENT TO
CONNAUGHT AND THE
FAMILY.

BOURNE WATERS.

THE PUREST IN ENGLAND.

R. M. MILLS & CO., BOURNE, LINCOLNSHIRE,
MANUFACTURERS OF

SODA, POTASH, LITHIA, AND SELTZER WATERS
LEMONADE, AND AROMATIC GINGER ALE.

4-dozen and 6-dozen Cases Carriage Paid.
Special attention is invited to our manufacture of

LITHIA WATER.

Each Bottle contains an average dose of Carbonate of Lithia—
the recognised Specific for Gout.

THE LATEST SPECIALITY—the Celebrated Artesian Bourne Water is
Pints and Quarts for Table Use.

Prices and Pamphlet on application. Agents appointed
MESSRS. HARDY & CO., Chemists, 23 FENCHURCH STREET.
D WHEATLEY, 16A NORTH AUDLEY STREET.

INDEX TO ADVERTISEMENTS—

See pages 27 to 29.

KEARLEY & TONGE,

TEA MERCHANTS.

OUR :

G1 @ 1/4

A Superb Tea with fine Pekoe appearance and infusion of really high Quality.

WRITE FOR SAMPLE.

Handsomely packed & labelled, $\frac{1}{4}$ and $\frac{1}{2}$ lb. packets.

Metal Faced Foil $\frac{1}{2}$ d. and Lead 1d. per lb. extra.

DUTY PAID. CARRIAGE PAID.

TERMS TWO MONTHS NET.

Samples, Lists, and Specimen Labels post free.

MITRE SQUARE, ALD GATE, LONDON, E.C.**GEO. MASON & CO.'S
ESSENCE OF BEEF.**

HOSPITAL FOR CONSUMPTION, BROMPTON.

Order No. 1080.

"Please supply 120 tins Mason's Essence of Beef as before."

MASON'S
Specialties
for InvalidsMASON'S
ESSENCE
OF BEEF

TRADE MARK.

ST. MARY'S HOSPITAL, PADDINGTON.
Order No. 502.
"Please send at once 3 Gross Mason's Essence of Beef."**"O.K." BOUILLON.**

The "O.K." Bouillon is the best and cheapest Beef Tea ever put before the public. It is made in England from British Beef. It can be sold as low as 6d. per tin.

CONCENTRATED BEEF TEA, MEAT LOZENGES.**MASON'S MALTED FOOD FOR INFANTS.**

PRICE LISTS POST FREE.

417 & 419 Kings Road, Chelsea, London, S.W

18

EIGHT PRIZE MEDALS AWARDED.**GOODALL'S
HOUSEHOLD
SPECIALITIES.****YORKSHIRE RELISH.**

Most Delicious Sauce in the World. Bottles, 6d., 1s., & 2s. each.

GOODALL'S BAKING POWDER.

The Best in the World. 1d. Packets; 6d., 1s., 2s., and 5s. Tins.

GOODALL'S EGG POWDER.

One 6d. Tin is equal to 25 eggs. In 1d. Packets; 6d., 1s., and 5s. Tins.

GOODALL'S CUSTARD POWDER.

Delicious Custards without Eggs. In Boxes, 2d., 6d., & 1s. each.

GOODALL'S BLANCMANGE POWDER

Delicious Blancmange in a Few Minutes. Boxes, 6d. and 1s. each.

GOODALL'S QUININE WINE, B.P.

Best Tonic yet Introduced. Bottles, 6d., 1s., and 2s. each.

GOODALL'S GINGER-BEER POWDER.

Makes the Best Ginger-Beer. Packets, 3d. and 6d.

GOODALL'S BRUNSWICK BLACK.

Painting Stoves, Grates, Iron, Tin, &c. 6d. & 1s. Bottles.

GOODALL'S LAVENDER WATER.

Rich and Lasting Perfume. Bottles, 1s., 2s., and 5s. each.

GOODALL'S PLATE POWDER.

Polishing and Cleaning all Metals. Boxes, 6d., 1s., and 2s.

GOODALL'S JELLY SQUARES.

Makes a Delicious and Nutritious Jelly. In $\frac{1}{4}$ -pint, 1-pint, and Quart Boxes, 3d., 6d., and 1s. each.

PROPRIETORS—GOODALL, BACKHOUSE & CO., LEEDS

PATENT MEDICINES

(AND

DRUGGISTS' SUNDRIES.

Monthly Price List of Patent Medicines, Druggists' Sundries, &c., will be sent post free on application to

GOODALL, BACKHOUSE & CO., LEEDS.

SEASONABLE NOTICE!

Chemists wishing to push their own name will find this package very suitable. The name and address sent must be printed, to avoid mistakes; will be ready for delivery within a week of receipt of order.

In Gross Parcels only through the Wholesale or direct, with your Name and Address, and Carriage Paid, on receipt of Postal Order, 25/-

Or can be had through the Wholesale in 3 dozen boxes, without name and address, at 25/- per gross.

JAS. PASCALL,
CONFECTIONER,
Blackfriars Rd., LONDON.
JAMES BOULTON & CO., LIM.
CHEMICAL MANUFACTURERS,
GRAYFORD MILLS, STRATFORD, LONDON.

SPECIALITIES—
THE NEW PRESERVATIVE,
SEMPER-DULCIS or **EVER-SWEET**
For Milk, Butter, Cream, Sausages, &c., &c.
FINEST BUTTER COLOR
(BUTTERCUP BRAND).

ACIDS OF ALL KINDS.
GRANULATED EFFERVESCENT PREPARATIONS.
BUYERS SHOULD SEND FOR QUOTATIONS.

HAMBRO SPECKLED



TRADE MARK
REGISTERED.

All Orders by Post receive immediate attention.

LEECHES!

Warranted Healthy.
Wholesale and for Exportation
Direct from Marshes.

FITCH & NOTTINGHAM,
LEECH BREEDERS,
4 CANONBURY SQUARE, LONDON, W.

HOLLOWAY'S PILLS & OINTMENT
Have the Largest Sale of any Medicine in the World.
MANUFACTURED ONLY AT
Professor HOLLOWAY'S Establishment,
78 New Oxford St. (late 538 Oxford St.), London,
And sold at 1s. 1/2d., 2s. 9d., 4s. 6d., 11s., 22s., and 33s. each Box or Pot.
Chemists and Druggists selling "Holloway's Pills and Ointment" can on application to the above address, or to the Wholesale House with whom they deal, be supplied free of charge with Handbills and Posters with their name and address printed at foot.
Wholesale Terms see List of "Proprietary Articles" in most Price Currents.

TO THE
CHEMISTS & DRUGGISTS
OF
GREAT BRITAIN.

TELEGRAPHIC ADDRESS:

COLEMAN,
GEORGE'S, NORWICH.

St. George's, Middle St.
NORWICH,
December, 1887.

The Excise Authorities having created a difficulty as to the sale of Medicated Wine containing a certain percentage of alcohol, we obtained in January last, from the Inland Revenue Authorities, permission to sell our WINCARNIS,* or Liebig's Extract of Meat and Malt Wine, **WITH QUININE**, without a Wine Licence, and many Chemists not holding a Wine Licence have sold considerable quantities. In order further to meet the requirements of the trade, we have introduced a Liebig's Extract of Meat and Malt Wine, **NON-Alcoholic**, made from the juice of the Grape, Liebig's Extract of Meat, and Extract of Malt. This also can be **SOLD WITHOUT A WINE LICENCE**. Your orders will oblige either direct or through the Wholesale Houses.

Yours obediently,

COLEMAN & CO., LIMITED.

N.B.—The Wine is sold in Bottles, 2/9 and 4/6 each.
Trade prices on application.

P.S.—Where the Magistrate's Certificate is not held we are willing to pay the **entire cost of a Retail Certificate** (the holder of which can sell any kind of Wines) if an **assorted order of 6 dozen** is sent us of any of our preparations. List on application. Our WINCARNIS,* or Liebig's Extract of Meat and Malt Wine **WITHOUT QUININE** commands a very large sale, and is recommended by over 2,000 medical men who have sent us testimonials in its favour.

SOLE MANUFACTURERS—

COLEMAN & CO., LIMITED,
ST. GEORGE'S, NORWICH,
AND 3 NEW LONDON STREET, LONDON, E.C.

* WINCARNIS is a NEW NAME, registered to prevent fraudulent imitations.

BOVRIL,

THE GUARANTEED PRODUCT OF PRIME OX BEEF.

WHOLESALE PRICE—
12/6 & 21/6,
LESS USUAL DISCOUNT.**INVALID BOVRIL**SPECIALLY PREPARED FOR INVALIDS.
SOLD ONLY BY CHEMISTS.RETAIL PRICE—
1/3 & 2/-
PER POT.**50 times more Nourishing than Meat Extract or Beef Tea.**

NONE GENUINE WITHOUT THE

TOWER TEA

HIGHEST AWARD, PARIS, 1889.

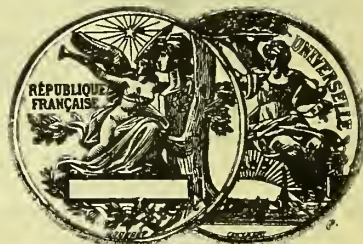
Analysis by the "LANCET," December 20th, 1890:—

"We have submitted to examination the Teas of the Great Tower Street Tea Company (Limited). They all yield liquors which are generous to the taste, and of full strength and vigour. The results of our analysis indicate the purity and genuineness of the samples."



REGISTERED TRADE MARK.

Where Vacancies exist, Agencies are appointed by



PRIZE MEDAL, PARIS, 1889.

THE GREAT TOWER STREET TEA CO., LIMITED

5 JEWRY STREET, LONDON, E.C.

VINACOCA

*Embracing the Therapeutic Properties of the COCA Plant, blended with the best Madeira.***COCA FOR TROUBLESOME THROATS.**

VINACOCA is a direct stimulant of the most active kind, supporting life in a manner almost miraculous, without disturbance of the vital functions. For the voice, a wineglassful before any ordeal is sufficient. Its effect upon the vocal cords is surprising, and of great value to Public Speakers, Professional and other Singers, and Lecturers.

The VINACOCA is carefully prepared from the best Coca Leaf only. (No addition of Cocaine.)

ONLY ONE WINE (CHOICE MADEIRA)
ONE QUALITY (A 1)
ONE PRICE } **THE BEST & CHEAPEST ON THE MARKET.**

Sold in Bottles at 3s. 6d. each, or 40s. per dozen, Retail. Usual Trade Discount.
Pamphlets for distribution, carriage paid.

COCA is prepared in various forms: COCA LOZENGES, COCA TABLETS, COCA ELIXIR, COCA TEA, COCA CHOCOLATE, STAMIN (Coca and Beef Extract), COCA TOBACCO, &c.

MENTHOLIN (PATRONISED BY ROYALTY) PREVENTS INFLUENZA.

Is a Perfect Remedy for Coriza or Cold in the Head. Highest opinions from Public and Press.

Retail Price, 1s. 1½d. per Box.

FULL PARTICULARS FROM

THE FRENCH HYGIENIC SOCIETY,

6 CONDUIT STREET, REGENT STREET, LONDON, W.

ARMBRECHT COCA WINE

ITS VIRTUES.

A powerful nerve stimulant. Restores the functions of the digestive organs, strengthens the mental and physical powers, assuages thirst, relieves nervous debility. Given with benefit in cases of opium and morphia habit.

THE ORIGINAL.—The leaves which we always employ are those of **Erythroxylon Coca**, Lamarck. We select them with the greatest care, and ensure by a thoroughly sound process of manufacture that Armbrecht Coca Wine is a true representation of the valuable properties of the drug.

THE FAVOURITE.—The composition of the "medium" wine, which has by far the largest sale of the six varieties, is *our secret*. We introduced this wine, at the suggestion of Dr. Spencer Wells, as a kind of compromise between Malaga, which was generally considered too sweet, and Burgundy, which found some objectors on the score of tartness of taste.

Please use this Order Form.

To Messrs. Armbrecht, Nelson & Co., Duke Street, Grosvenor Square, London, W.

Please send immediately on the receipt of this by _____

SPECIAL PRICE FOR GROSS LOTS

		WHOLESALE.			RETAIL PRICE.
...	Doz. Coca Wine	36/0	Imperial Pints	...	48/0 doz.
...	" Coca Burgundy	36/0	"	...	48/0 "
...	" Coca Malaga	36/0	"	...	48/0 "
...	" Coca Port	36/0	"	...	48/0 "
...	" Coca Sherry	36/0	"	...	48/0 "
...	" Coca Champagne	46/6	Quarts	...	56/0 "
...	" " "	26/6	Pints	...	33/0 "
...	" Coca Wine Extract	31/6	Bottles	...	42/0 "
...	" " "	49/6	"	...	66/0 "
...	" Coca Lozenges	13/6	Box	...	18/0 "
...	" " "	22/6	Tin	...	30/0 "

PAMPHLETS FOR DISTRIBUTION—NO CHARGE.

IF ORDER BE SENT TO US DIRECT, and REMITTANCE ENCLOSED, we offer a discount of 2½ per cent. single dozen, not less; and 5 per cent. on 3-dozen lots, Carriage Paid England and Wales, and Half Scotland and Ireland.

Name _____

Address _____

EXPORT ORDERS AND INDENTS

For firms in India, the British Colonies, and other parts abroad are executed at a substantial discount. Please order direct (giving references), or through London agents.

SOLE MANUFACTURERS—

ARMBRECHT, NELSON & CO.

Duke Street, Grosvenor Square, London.

WINE LICENCES

Can be made to pay by selling
high - class specialities bearing
from 25% to 50% profit.

Particulars of

Stephen Smith & Co.
BOW, LONDON, E.

VIN MARIANI

THE "NO RISK" TRADE.

SPECIAL OFFER to Chemists WHO WILL UNDERTAKE TO SHOW A FEW BOTTLES UPON THEIR COUNTER OR SHOW CARD IN WINDOW.

WILCOX & CO. will deliver Free, to any Station in London, an original 6-doz. case of **VIN MARIANI** upon receipt of **REMITTANCE FOR £9 : 15 : 0 NET.** Wilcox & Co. will also give a Written Guarantee to **RETURN MONEY FOR THOSE UNSOLD** 12 months from date of purchase.

RETAIL PRICE 4/- PER BOTTLE, OR 45/- PER DOZEN.

HUNYADI JÁNOS.

Wilcox & Co. beg to notify that their future importations of "Hunyadi János" Water will be in $\frac{3}{4}$ size bottles; these bottles hold 25 per cent. less than the large bottles, and have the following great advantages:—

1. The public obtains in proportion more for the money, which invariably gives satisfaction.
2. Sold to the public at the popular price of "One Shilling," this $\frac{3}{4}$ size bottle yields to the retailer a 50-per-cent. net profit upon his outlay.

They further beg to notify that:—

1. The Hunyadi János Water imported by them and that imported by the Apollinaris Co. are identical—a fact easily proved by analysis.
2. That the Court of Appeal of the Supreme Court of Judicature, consisting of Justices Lindley, Bowen, and Fry, in re "Apollinaris Co. Trade Marks," justified the right of anyone in Great Britain to import and sell Hunyadi János Water in spite of any caution or notice to the contrary issued by the Proprietor, Andreas Saxlehner.

Contracts made for the creation of a monopoly, being illegal, are void, and are therefore not entitled to any legal protection.

By importing in very large quantities for cash they are enabled to offer these $\frac{3}{4}$ size bottles at the following prices for remittance with order:—

50 Bottles at 34/- net	}	PACKING FREE, BUT CARRIAGE NOT PAID.
25 " 17/- "		
Lots of 250 " 5 per cent. discount.		

Importers—WILCOX & CO., 239 OXFORD ST., LONDON.

WYETH'S BEEF JUICE.

A liquid preparation of the Choicest Beef, containing the Nutritious Albuminous principles in an unaltered and soluble form.

Because WYETH'S BEEF JUICE is Pleasant and Agreeable to the taste.

Possesses five times more nourishing properties than other similar preparations.

Nutrient and stimulant properties so proportioned that it can be retained by the stomach in extreme cases of debility.

Two-ounce bottle contains all the Nutritious Albuminous principles of three pounds of clear lean meat.

Because these and many other points of superiority have been brought to the attention of Medical Men, Nurses, and Hospitals.

Because they have proven the claims *TRUE*, the demand for WYETH'S BEEF JUICE has become constant, and constantly increasing throughout Great Britain.

For the information of the

RETAIL CHEMIST

who has not already stocked WYETH'S BEEF JUICE we make this announcement.

GENERAL AGENTS FOR GREAT BRITAIN AND FRANCE—

LONDON.

ROBERTS & CO.

PARIS.

DISTRIBUTING AGENTS FOR

LANCASHIRE—JAS. WOOLLEY, SONS & CO., Manchester.

YORKSHIRE—GOODALL, BACKHOUSE & CO., Leeds.

SCOTLAND—RAIMES, CLARK & CO., Edinburgh.

And all Wholesale Druggists and Chemists.

PREPARED BY

JOHN WYETH & BROTHER,

Manufacturing Pharmaceutical Chemists,

PHILADELPHIA, PA., U.S.A.

LONDON, 30 SNOW HILL, E.C.

25

TELEPHONE NO. 5415.

A B C CODE.

TELEGRAMS—"TYRER STRATFORD LONDON."

THOMAS TYRER & CO.**STIRLING CHEMICAL WORKS, ABBEY LANE, STRATFORD, LONDON, E.**

ESTABLISHED 1844.

Manufacturers of **PURE CHEMICALS** for**PHARMACY—PHOTOGRAPHY**

(GUARANTEED TO ANY OFFICIAL OR REQUIRED SPECIFICATION.)

GRANULAR EFFERVESCENT PREPARATIONS,
Essences and Fruit Flavours.**HYDROGEN PEROXIDE** { All Strengths
and for all purposes.AMMONIUM.
AMYL.
BARIUM.
IRON.**ACETATES**{ LEAD.
POTASSIUM.
SODIUM.
ZINC.**PYROXYLIN** PURE AND
METHYLATED
COLLODION **ETHERS.****MERCURIALS.**CALOMEL.
RED OXIDE.
PILL.{ **PURE** {SUBLIMATE.
WHITE PRECIPITATE.
OINTMENT.**AND ANY OTHER REQUIRED MERCURIAL PREPARATION.****AMMONIUM NITRATES FOR DENTAL PURPOSES.****PHOSPHORIC ACID,**

DIL., CONC., SYRUPY, & GLACIAL. Free from Arsenic, Lead, &c.

IRON AMMON CITRATE
BISMUTH AMMON CIT.
IRON CITRATE TRUE**SCALE
PREPARATIONS.**{ IRON POTASS. TART.
QUININE AND IRON CIT.
STRYCHNINE CITRATE

Spirit Nitrous Ether and Aromatic Ammonia, B.P., Guaranteed.

WHOLESALE AND EXPORT ONLY.

Telephone Number, 1852.

Telegraphic Address—CHEMICUS LONDON.

ADVERTISERS' AND BUYERS' REFERENCE LIST AND INDEX TO ADVERTISEMENTS.

INDEX TO ADVERTISEMENTS APPEARING IN THIS ISSUE.

NOTE.—The Folios shown in this Index are those at the FOOT of the Page, and not at the Top. This arrangement is necessary in order to meet the requirements of the Post Office.

Foot of Page	Foot of Page	Foot of Page	Foot of Page
Allen & Hanbury's <i>Front Cover</i>	Darton, F. & Co. 9	Kay Bros. (Lim.) 38	Raybould, Flesher & Co. 54
Apollinaris Co. <i>Outside Cover</i>	Day & Sons 53, <i>Text</i> 43	Kearley & Tonge 18	Richardson, J., & Co., Leicester (Lim.) 39
Armbricht, Nelson & Co. 21	Day, Son & Hewitt 52	Keene & Ashwell 35	Robbins & Co. 40
Bais Bros. 58	Deacon, H. J. 46	Kuhn, B. 42	Rowland & Sons 11
Barclay & Sons (Lim.) 41	Dee Oil Co. (Lim.) 47	Langland, Mackay & Baker .. 4	Salamon & Co. (Lim.) 54
Barradell, J. 48	Densaeyer's Peptones Co. 25	Leo & Co. 41	Sandoid & Co. <i>Text</i> 48
Barrett, R. H. 48	Dodd Brothers' 10	Levermore & Co. 54	Sanitas, The Co. (Lim.) .. <i>Text</i> 43
Battley & Watts 51	Dorothy Dentifrice 10	Lewig, M. 54	Schiffman, Dr. 48
Beedler & Co. 55	Drysdale & Co. 4	Liebig Co. 29	Sequah (Lim.) 45
Berdee & Co. <i>Coloured Supplement</i>	Duncan, Flookhart & Co. 38	Lincoln Drug Co. 45	Sharp Bros. 47
Berger, F. 10	Duncan, Fuller & Co. 42	Lindsey & Sons 46	Shirley Bros. 56
Biggs, T. 53	Eds' Pills 54	Liverpool Patent Lint Co. 46	Silverlock, H. 6
Bleasdale & Co. 12	Elliman, Sons & Co. <i>Text</i> 48	Lloyd, T. Howard, & Co. 37	Smith, S., & Co. 22
Blondeau & Co. 35	Exchange Column 14	Lofthouse & Saltmer 31	Smith, T. & H. 36
Boehm, F. 40	Fa'lowfield, J. 8	London and Lancashire Insurance Co. 48	Smith & Sons 36
Boehring & Sohne 38	Fennings, Alfred <i>Outside Cover</i>	London Homeopathic Hospital and Medical School 9	Snowdon, Sons & Co. 50
Boord & Son 50	Fink, F., & Co. 54	Lynch & Co. <i>Cover</i>	Southwell & Co. 17
Boulton, J., & Co. (Lim.) 19	Fitch & Nottingham 19	Manchester School 6	Sozio & Andrioli 12
Bovril (Lim.) 20	Fletcher, Fletcher & Stevenson .. 4	Mason, C. E., & Co. 44	Stern, G. & G. 41
Bowers Bros. 7	French Hygienic Co. 21	Mason, G., & Co. (Lim.) 18	Stevens, P. A. 54
Bratby & Hinchliffe (Lim.) 16	Fuerst Bros. 31	Maw, S., Son & Thompson <i>Cover</i>	Stevenson & Howells 3
Breffits, E., & Co. 49	Gardner, W. 44	May & Baker <i>Cover</i>	Sutton, W., & Co. 25
Brett, F. J. <i>Coloured Supplement</i>	Gent & Co. <i>Text</i> 48	May, Roberts & Co. 57	Taite & Co. 12
Bromley, C. 54	George, J. E. 55	Mayfair, Phil., & Co. 44	Tasmanian Eucalyptus Co. 4
Browne, T. B. 14	Geraut, E., & Co. 16	Miller, A., & Co. 25	Thiellay, E. H. 54
Burgess, E., Jun. 43	Gibson, R., & Son 34	Mills & Co. 17	Treble, G., & Co. 7
Burroughs Bros. 40	Giles, Schacht & Co. 36	Moenich, O., & Co. 10	Tyler, Hayward, & Co. 44
Burrenhaugh, James 50	Glover & Co. 17	Moller, P. 44	Tyrer, P. 25
Burroughs, Wellcome & Co. 33, 34	Goodall, Backhouse & Co. 18	Moss, J., & Co. <i>Text</i> 43	Tyrer, T., & Co. 26
Burton, W., & Sons <i>Front Cover</i> 40	Graham W., & Co. 54	Muhlen, F. 11	Vaccine Association 46
Bush, A. P., & Co. 54	Great Tower Street Tea Co. 20	Mumford & Co. 54	Voucher Check Till Co. 9
Businesses for Disposal. <i>Col. Supp.</i>	Grimwade, Ridley & Co. 5	National Cash Till Co. 9	Walker, Troke & Co. 14
Cadbury Bros. <i>Cover</i>	Guy's Tonic Co. 43	Newball & Mason 12	Warriock Bros. <i>Text</i> 48
Chassaing & Co. <i>Text</i> 48	Halviva Co. 51	Newbery, F., & Sons 16	Watson & Wates 55
Chemists' Association (Lim.) 5	Hargreaves, Dr. 6	Newshome, G. T. W. 6	"W" Brand Bottles 42
Chemists' Exhibition 7	Harker, Stagg & Morgan 40	Northern School 6	Werner & Pfeiderer 44
Cheesebrough Manufacturing Co. 34	Harroline Pill Co. 53	Oakey & Sons 51	West, T. 10
Christy, T., & Co. 51	Hatrick & Co. 55	Oppenheimer, Son & Co. 31	Wilcox & Co. 23
Clark, S., & Co. 52	Hearn, E. A., & Co. 48	Orridge & Co. <i>Coloured Supplement</i>	Wood, F. 46
Clarke's Fairy Light Co. (Lim.) 30	Hickisson, J. 35	Pascal, J. 19	Wood, V. 46
Clay, Dod & Co. 40	Hicks, J. J. 8	Pears, A. & F. (Lim.) 13	Woolley, Sons & Co. 34
Clayton, W. F. 6	Holloway, Prof. 19	Phillips, G., & Co. 50	Wright, Layman & Umney <i>Text</i> 48
Coleman & Co. (Lim.) 19	Jogram & Royle 17	Pinchin, Johnson & Co. 51	Wyckoff, Seamans & Benedict 7
Critchley, T. 50	Isaacs, I., & Co. 47	Poths, H., & Co. 35	Wyeth, J., & Bro. 24
Crocker & Co. <i>Coloured Supplement</i>	James, W. H. 53	Price's Patent Candle Co. 47	Youldon, E. 48
	Johnson & Johnson (Lim.) 15		
	Jordan & Son 7		

CLASSIFIED LIST OF ALL ADVERTISERS

Whose Announcements appear in "THE CHEMIST AND DRUGGIST." Those whose Names do not appear in the preceding Index are published in one of the other issues of this month.

ACETIC ACID Fuerst Bros. Greiff, B. W., & Co. Morris & Callard (Salts)	ALMANACs Ford, Shapland & Co. Hiltschneider & Faulkner Silverlock, H. | Townsend, J.	BORAX Howards & Sons Mack's Starch	CAPSULES Denoual, J. (Medicinal) Dunoon, Flookhart & Co. Evans, Sons & Co. Hooper, B., & Co. Lofthouse & Saltmer Mason, C. E., & Co. Richardson, John, & Co. (Leicester), Lim.	CHEMICALS Boehm, F. Boehring, C. F., & Sohne Boulton, J., & Co. (Lim.) Bramwell, E., & Son Brunner, Mond & Co. (Lim.) Fletcher Fletcher & Stevenson Fuerst Bros. Goodall, Backhouse & Co. Greiff, B. W., & Co. Harrington Bros. Hill, A. S., & Son [Olanke Hodgkinson, Treacher & Howards & Sons (Pharm.) Levermore, Ans., & Co. Lofthouse & Saltmer Lorenz, H. May & Baker (Lim.) Morris & Callard Moss & Co. Smith, T. & H., & Co. Tyrer, T., & Co. Washington Chemical Co. White, A., & Sons Zimmermann, A. & M.
ADVERTISING SPECIALITIES Baird Clock Co. Lawton, J. W. Sears, F. W.	AMMONIA May & Baker (Lim.) White, A., & Son Woolley Sons & Co.	BOTTLES Aire & Calder Bottle Co. (Lim.) Barnett & Foster Barradell, J. P., & Co. Barrett, R. H. Bratby & Hinchliffe (Lim.) Bush, H. W., & Co. Evans, Sons & Co. Gilbertson, H., & Sons Hearn, E. A., & Co. Isaacs & Co. Johnsen & Jorgensen Kliner Bros. Poths, H. & Co. Sharp Brothers Shirley, A. W. Toogood, W. "W. Brand Bottles" Youldon, H.	CSGRA SAGRADA Anderson & Co. Dunoon, Flookhart & Co. Evans, Sons & Co. Ferris & Co. Moss, J., & Co.	CASTOR OIL Allen & Hanbury (Fuerst Bros) Christy & Co. (Aromatics) Greiff, B. W., & Co. H. Lofthouse Cod Liver Oil Co. Maw, S., Son & Thompson May, Roberts & Co. Ranger & Sons
AMETD & MINERALS Apollinaris Co. Barnett & Foster Chemists' Aerated Waters Association (Lim.) Ellis & Son (Bathur) Kassall & Co. | Hay, W. Hulsen, J., & Co. Idris & Co. Ingram & Royle Jewsbury & Brown Johannis Spring (Lim.) Mills & Co. (Bourne) Schweppe, J., & Co.	APPARATUS Hicks, J. J. | Ohlson, A. Orme, J., & Co. (Science) Perken, Son & Eymant Poths, H., & Co.	ASTHMA CURE schiffmann, H.	CASTOR OIL Allen & Hanbury (Fuerst Bros) Christy & Co. (Aromatics) Greiff, B. W., & Co. H. Lofthouse Cod Liver Oil Co. Maw, S., Son & Thompson May, Roberts & Co. Ranger & Sons	CHEST PROTECTORS Chemists' Association (Lim.) Hookin, Wilson & Co. Liverpool Patent Lint Co. Lynch & Co. Newbery, F., & Sons Pattison, G. | Solport Bros.
BITTO PLANT [See SYRUPS and ESSENCES.] Barnett & Foster Bratby & Hinchliffe (Lim.) Gueret Freres Tyler, Hayward, & Co.	ASTHMA CURE schiffmann, H.	BAKING POWDER Goodall, Backhouse & Co.	CATERPILLAR Maw, S., Son & Thompson May, Roberts & Co. Ranger & Sons	CITRIC ACID Kassall & Co. (Phosphor) COCAINE-HYDRO. Howards & Sons
AGENCIES ABROAD Australian Drug Co. Kempthorne, Prosser & Co. Lennon, B. G., & Co. (N.Z.) Lorr, Jules Peake, Allen & Co. Prosser, Taylor & Co. Rooske, Tompsett & Co. (Melbourne) Sharland & Co. Son, W. H., & Co.	ASTHMA CURE schiffmann, H.	BANDAGES Bosley, W. H., & Son Robinson & Sons Schutze, F., & Co. Warne & Co.	CHEMICALS Boehm, F. Boehring, C. F., & Sohne Boulton, J., & Co. (Lim.) Bramwell, E., & Son Brunner, Mond & Co. (Lim.) Fletcher Fletcher & Stevenson Fuerst Bros. Goodall, Backhouse & Co. Greiff, B. W., & Co. Harrington Bros. Hill, A. S., & Son [Olanke Hodgkinson, Treacher & Howards & Sons (Pharm.) Levermore, Ans., & Co. Lofthouse & Saltmer Lorenz, H. May & Baker (Lim.) Morris & Callard Moss & Co. Smith, T. & H., & Co. Tyrer, T., & Co. Washington Chemical Co. White, A., & Sons Zimmermann, A. & M.	COCA WINE Armbricht, Nelson & Co. French Hygienic Soc. Stephen Smith & Co. (Hall's)
ALKALOIDS Howards & Sons (Olanke) Smith, T. & H., & Co.	ASTHMA CURE schiffmann, H.	BICARB. SODA Brunner, Mond & Co. (Lim.) Howards & Sons May & Baker (Lim.) Maw & Baker (Lim.) Heaton, Squire & Franks Hewlett & Sons Howards & Sons Howards & Sons Strmes & Co. | Tyrer, T., & Co. White, Alfred, & Sons	CHEMICALS Boehm, F. Boehring, C. F., & Sohne Boulton, J., & Co. (Lim.) Bramwell, E., & Son Brunner, Mond & Co. (Lim.) Fletcher Fletcher & Stevenson Fuerst Bros. Goodall, Backhouse & Co. Greiff, B. W., & Co. Harrington Bros. Hill, A. S., & Son [Olanke Hodgkinson, Treacher & Howards & Sons (Pharm.) Levermore, Ans., & Co. Lofthouse & Saltmer Lorenz, H. May & Baker (Lim.) Morris & Callard Moss & Co. Smith, T. & H., & Co. Tyrer, T., & Co. Washington Chemical Co. White, A., & Sons Zimmermann, A. & M.	COCA & CHOCOLATE Cadbury Bros. | Christy & Co. Bowntree & Co.
	ASTHMA CURE schiffmann, H.	BISCUIT FRMP. Heaton, Squire & Franks Hewlett & Sons Howards & Sons Howards & Sons Strmes & Co. | Tyrer, T., & Co. White, Alfred, & Sons	CHEMICALS Boehm, F. Boehring, C. F., & Sohne Boulton, J., & Co. (Lim.) Bramwell, E., & Son Brunner, Mond & Co. (Lim.) Fletcher Fletcher & Stevenson Fuerst Bros. Goodall, Backhouse & Co. Greiff, B. W., & Co. Harrington Bros. Hill, A. S., & Son [Olanke Hodgkinson, Treacher & Howards & Sons (Pharm.) Levermore, Ans., & Co. Lofthouse & Saltmer Lorenz, H. May & Baker (Lim.) Morris & Callard Moss & Co. Smith, T. & H., & Co. Tyrer, T., & Co. Washington Chemical Co. White, A., & Sons Zimmermann, A. & M.	
	ASTHMA CURE schiffmann, H.	BUTTER COLG. & Co. Boulton, J., & Co. (Lim.) Crawshaw & Co. Harris & Co. (Lim.) Oldfield, Patinson & Co.	CHEMICALS Boehm, F. Boehring, C. F., & Sohne Boulton, J., & Co. (Lim.) Bramwell, E., & Son Brunner, Mond & Co. (Lim.) Fletcher Fletcher & Stevenson Fuerst Bros. Goodall, Backhouse & Co. Greiff, B. W., & Co. Harrington Bros. Hill, A. S., & Son [Olanke Hodgkinson, Treacher & Howards & Sons (Pharm.) Levermore, Ans., & Co. Lofthouse & Saltmer Lorenz, H. May & Baker (Lim.) Morris & Callard Moss & Co. Smith, T. & H., & Co. Tyrer, T., & Co. Washington Chemical Co. White, A., & Sons Zimmermann, A. & M.	
	ASTHMA CURE schiffmann, H.	CAMPBOR Fuerst Bros. Howards & Sons May & Baker (Lim.)	CHEMICALS Boehm, F. Boehring, C. F., & Sohne Boulton, J., & Co. (Lim.) Bramwell, E., & Son Brunner, Mond & Co. (Lim.) Fletcher Fletcher & Stevenson Fuerst Bros. Goodall, Backhouse & Co. Greiff, B. W., & Co. Harrington Bros. Hill, A. S., & Son [Olanke Hodgkinson, Treacher & Howards & Sons (Pharm.) Levermore, Ans., & Co. Lofthouse & Saltmer Lorenz, H. May & Baker (Lim.) Morris & Callard Moss & Co. Smith, T. & H., & Co. Tyrer, T., & Co. Washington Chemical Co. White, A., & Sons Zimmermann, A. & M.	

CHRISTMAS NOVELTIES

Smith, Tom
OD-LIVER OIL
Allen & Hanbury
Burroughs, Wellcome & Co.
Evans, Sons & Co.
Green, R. W., & Co.
Hill, A. E., & Son
Hockin, Wilson & Co.
Lofthouse & Saltmer
Moller, P.
Smith, T. J.
Robinson & Co.
The Lofodden Cod Liver Oil Co.
Woolley, Sons & Co.

COFFEE
Symington, T., & Co. (Coffee)
Whites, Fairchild & Co.

COLLISABLE TUBES

Ratte & Co.

COMPANY REGISTRATION AGENTS

Jordan & Sons

COMP. MEDICINES

Allen & Hanbury
Blyton, Astley & Co.
Burroughs, Wellcome & Co.

Faerst Bros.
Hooper, B., & Co. | Leo & Co.
Lloyd, T. H., & Co.

CONCENT. LIQS.

Fletcher, Fletcher & Stevenson
Lloyd, T. H., & Co.
Wood, Cooper & Co.

CONFECTIONERY

Blyton, Astley & Co.
Crawshaw & Co.
Gibson, R., & Sons
Gnest, T., & Co.
Pascoe, J.

Southwell, C., & Co.
Warrick Brothers

CORN CURES

Pattison, G.
Solport Bros.

COTTON WOOL

Haynes, G., & Co. (Absorbent)
Robinson & Sons (Absorbent)

Sanger, J., & Sons
Seabury & Johnson

ORSHED LENSES

Graham, W., & Co.
Mumford, G. G.

DEFINITIONS

Bailey's Toilet Co.
Seacham, T.
Trenbly, H., & Co.
Whebbury & Brown

Lakeman, J. J.
Quelch, H. C.
Spurin, K. C. (Dorothy)
Stevens, P. A.
Sutton, C., & Co.
Thompson & Capper
Warrick Bros. & Wilson, A.
Woods, W. (Aroca Nut)

DISINFECTANTS

Calvert, F. C., & Co.
Duxsey Bros., & Co.
Fletcher Bros. & Co.
Government Sanitary Co.
Grindley & Co. (Lim.)
Jeyes' Fluid
Mason, O. E., & Co.
May & Baker (Lim.)
National Chemical Co.
Sanitas Co.
Seabury & Johnson
Star Chemical Co.
Tyer, Thos., & Co.

DISPENSING BOTTLES

The Lofodden Cod Liver Oil Co.

DOG MEDICINES

Spratts Patent (Lim.)

DRUGGISTS' SUN.

Ayrton & Saunders
Bailey, M., & Co.
Barclay & Sons (Limited)
Beaulieu Co.
Bush, H. W., & Co.
Chemists' Association (Lim.)
Chemists' Mineral Water Association (Lim.)
Evans, Sons & Co. (Savars)
Fordham, W. B., & Sons (Lim.)
Gibberton, H., & Sons
Hanbury & Co.
Hockin, Wilson & Co.
Iridis & Co. (Viking Co.)
Lieber Co.
Liquor Carnis Co. (Lim.)
Mason, G., & Co. (Lim.)
Wyeth, J., & Brother

EXTRACTS, FLUID

Allen & Hanbury
Anderson & Co.
Barber, G., & Co.
Burgoyne, Burdidge & Co.
Evans, Sons & Co.
Fletcher, Fletcher & Stevenson
Hearon, Squire & Francis
Hooper, B., & Co.
Lloyd, T. Howard & Co.
Mason, G., & Co.
Potter & Clarke
Vogt, G., & Co.
Wright, Layman & Umney

FEEDING BOTTLES

Burroughs, Wellcome & Co.
Thorne & Co.
Chemists' Association (Lim.)
Evans, Sons & Co.
Hearn, E. A., & Co.
Hockin, Wilson & Co.
Kliner Bros.
Marriott, E., & Co.
May, Roberts & Co.
Maw, S. Son & Thompson
Spence & Co.

FILTERING

Berkfeld Filter Co.
Fordham, W. B., & Sons (Ld.)
Mawson, Swan & Weddell
Silicated Carbon Filter Co.
Paterson, G.

FLY PAPERS

For, Shapland & Co.
Mather, W.
Maw, S. Son & Thompson
Tunbridge & Wright

FORMULA

Brooks, T.

DRUG MILLS

Burroughs, Wellcome & Co.

DRYSALTRIES

Burton, W., & Sons
Crawshaw & Co.
Hartick & Co. (Lim.)

RAU DE COGNAC

Farina, J. M.
Hockin, Wilson & Co. (Farina)
Martin, Maria (Aun)
Oscar, Moenich & Co.

ELECTRIC APPAR.

Barton, F., & Co.
Friedlander, A.
Gent & Co. | Jime & Co.

EMEROCATION

Bliss, T.
Burr, J.
Day & Sons
William, Sons & Co.

ENEMAS

Evans, Sons & Co.
Sanger & Son
Warne & Co.

ENGRAVERS

Barker, W., & Son
Oorsan, J. K.

ESSENCES

Beckett, W.
Berker
Boehm, F.
Boulton, J., & Co.
Bratby & Hinchcliffe (Lim.)
Burgoyne, Burdidge & Co.
Bush, W. J., & Co.
Fletcher, Fletcher & Stevenson
Goodall, Backhouse & Co.
Hay, W.
Iridis & Co.
May & Baker (Lim.)
Newball & Mason
Oldfield, Pattinson & Co.
Stevenson & Howell
Tyrer, P. (Anchovies)
Tyrer, T., & Co.
Woolley, Sons & Co.

ESSENTIAL OILS

Berger, F.
Boehm, F.
Bush, W. J., & Co.
Christ, J.
Clay, Dod & Co.
Cooking & Co. (Japan Pepper-mint)
Dodge & Gloost
Evans, Sons & Co.
Hodgkinson's, Treasher & Clarke
Lewis, M.
May & Baker (Lim.)
Robert Freres
Sorio & Andrioli
Schleinger, L.
Stevenson & Howell
Syms & Co.
Tombarel Freres
Treat, R. C.
Vogt, G., & Co.
Warrick Bros.
Witroky, E.
Wright, Layman & Umney

FEED

Duncan, Flockhart & Co.
Howards & Sons
May & Baker (Lim.)
Robbins, J., & Co.
Tyrer, T., & Co.
White, A., & Co.
Woolley, Sons & Co.
Wright, Layman & Umney

EUCALYPTUS

Bickford, | Bosisto's
Downie B. I. P. Co.
Eysdale, J. W. & Co.
Evans, Lescher & Webb
Fletcher, Fletcher & Stevenson
Grimwade, Ridley & Co.
Laingland, Mackay & Baker
Lundock, J., & Co.
Tasmanian eucalyptus oil
Vogt, G., & Co. [Co.]

EXALGINE

Kuhn, B.

EXTRACT MEAT

Braud & Co.
Bush's Liquid Beef
Denaeyer's Peas and Extract of Meat Co. (Lim.)
Iridis & Co. (Viking Co.)
Lieber Co.
Liquor Carnis Co. (Lim.)
Mason, G., & Co. (Lim.)
Wyeth, J., & Brother

EXTRACTS, FLUID

Allen & Hanbury
Anderson & Co.
Barber, G., & Co.
Burgoyne, Burdidge & Co.
Evans, Sons & Co.
Fletcher, Fletcher & Stevenson
Hearon, Squire & Francis
Hooper, B., & Co.
Lloyd, T. Howard & Co.
Mason, G., & Co.
Potter & Clarke
Vogt, G., & Co.
Wright, Layman & Umney

FEEDING BOTTLES

Burroughs, Wellcome & Co.
Thorne & Co.
Chemists' Association (Lim.)
Evans, Sons & Co.
Hearn, E. A., & Co.
Hockin, Wilson & Co.
Kliner Bros.
Marriott, E., & Co.
May, Roberts & Co.
Maw, S. Son & Thompson
Spence & Co.

FILTERING

Berkfeld Filter Co.
Fordham, W. B., & Sons (Ld.)
Mawson, Swan & Weddell
Silicated Carbon Filter Co.
Paterson, G.

FLY PAPERS

For, Shapland & Co.
Mather, W.
Maw, S. Son & Thompson
Tunbridge & Wright

FORMULA

Brooks, T.

FOOD (Infants & Invalids)

Allen & Hanbury
Banger's Food | Brand & Co.
Clarke's Fairy Light Co. (Lim.) (Warner)
Evans, Sons & Co.
Goodall, Backhouse & Co.
Hearon, Squire & Francis
Iridis & Co.
King, F., & Co. (Lim.)
Lieuco Co.
Liquor Carnis Co. (Lim.)
Mason, G., & Co. (Lim.)
Nestle, H.
Oinger Ale
Ringer, W. (Essence)
Mills, R. M., & Co.

GLYCERINE

Blyton, Astley & Co. (Pas'illee)
Boehm, F. | Fink & Co.
Fuerst Bros.
Greiff, H. W., & Co.
Lynch & Co.
Price's Candle Co.
The Lofodden Cod Liver Oil Co.

GOUT AND RHEUMATIC PILLS

Bromley, G.

GLANULAR PREP.

Bishop, A., & Sons
Evans, Sons & Co.
Hearon, Squire & Francis
Lloyd, T. H., & Co.
Wright, Layman & Umney
Woodward, W.

HAIR PREP.

Fink & Co. (Arabic, &c.)
Greiff, H. W., & Co.
Levermore, Aug., & Co.

HAIR PREP.

Anglo-American Drug Co. (Lim.)
Chesbrough Mfg. Co.
Edwards & Co.
Truett, H. P. (Lim.)

HERBALS

Newball & Mason
Potter & Clarke

HERBES EXTS

Newball & Mason
Oldfield, Pattinson & Co.
Potter & Clarke

HOMOPATHICS

Keene & Ashwell
Leath & Ross
Liquor Carnis Co. (Lim.)
Lynch & Co. (Lim.)
Spirone, Co. (The Woodrood, W.)
Bowler & Draper

HYPOPHOSPHITES

Duncan, Flockhart & Co.
Fetters
Fletcher, Fletcher & Co.
Fynes & Co.
Tyrer, Thomas, & Co.

INDIANUR. GOODS

Wright, Layman & Umney

INHALERS

Burroughs, Wellcome & Co.
Hockin, Wilson & Co.
Lynch & Co. (Lim.)
Spirone, Co. (The Woodrood, W.)
Bowler & Draper

INSECTIONS

Keating, T. | Steiner & Co.

INSURANCE

London and Lancashire Fire Insurance Co.

KETCHUP

Tyrer, P.

KID PREPRTNS

Christ, J.

LARD

Ewen, J., & Sons

LIME JUICE

Southwell, C., & Co.

LINT

Liverpool Lint Co.
Newsome, O.
Robinson & Sons
Seabury & Johnson

LIQUORICE

Ferguson & Forster (Solazzi)

LITHIA

Fuerst Bros.

LOZENGES

Allen & Hanbury
Blyton, Astley & Co.
Gibson, R., & Sons
Hill & Son | Jackson, T.
Eames & Co. | Warrick Bros.

MACHINERY

Bennett, Sons & Shears
Brocher & Mixers
Burroughs, Wellcome & Co.
Gardner, W.
Gilbert, J. A., & Co.
Leate, Edwards & Norman, Ld.
Lynch, F., & Co.
Pinder, J. W.
Pontifex & Wood (Lim.)
Werner & Pfleiderer (Knead-ing and Sifting)

MACHINERY

Bush, W. Son & Co.
Evans, Sons & Co.
Greiff, H. W., & Co.
Henry, T. & W. (Caledine)
Hill & Son, S.
Warrington Chemicals Co.
Wright, Layman & Umney

MARSHING INLS

Barber, G., & Co. (Crismoon)
Bond, John (Crystal Palace) (Ink and Pencils)
Ferry & Co. (Pencil)

MARSHING INLS

Barber, G., & Co. (Crismoon)
Bond, John (Crystal Palace) (Ink and Pencils)
Ferry & Co. (Pencil)

MARSHING INLS

Barber, G., & Co. (Crismoon)
Bond, John (Crystal Palace) (Ink and Pencils)
Ferry & Co. (Pencil)

MARSHING INLS

Barber, G., & Co. (Crismoon)
Bond, John (Crystal Palace) (Ink and Pencils)
Ferry & Co. (Pencil)

MARSHING INLS

Barber, G., & Co. (Crismoon)
Bond, John (Crystal Palace) (Ink and Pencils)
Ferry & Co. (Pencil)

MALT EXTRACT, &c.

Allen & Hanbury
Banger's Food | Brand & Co.
Clarke's Fairy Light Co. (Lim.) (Warner)
Evans, Sons & Co.
Goodall, Backhouse & Co.
Hearon, Squire & Francis
Iridis & Co.
King, F., & Co. (Lim.)
Lieuco Co.
Liquor Carnis Co. (Lim.)
Mason, G., & Co. (Lim.)
Nestle, H.
Oinger Ale
Ringer, W. (Essence)
Mills, R. M., & Co.

MALT EXTRACT, &c.

Allen & Hanbury
Banger's Food | Brand & Co.
Clarke's Fairy Light Co. (Lim.) (Warner)
Evans, Sons & Co.
Goodall, Backhouse & Co.
Hearon, Squire & Francis
Iridis & Co.
King, F., & Co. (Lim.)
Lieuco Co.
Liquor Carnis Co. (Lim.)
Mason, G., & Co. (Lim.)
Nestle, H.
Oinger Ale
Ringer, W. (Essence)
Mills, R. M., & Co.

MALT EXTRACT, &c.

Allen & Hanbury
Banger's Food | Brand & Co.
Clarke's Fairy Light Co. (Lim.) (Warner)
Evans, Sons & Co.
Goodall, Backhouse & Co.
Hearon, Squire & Francis
Iridis & Co.
King, F., & Co. (Lim.)
Lieuco Co.
Liquor Carnis Co. (Lim.)
Mason, G., & Co. (Lim.)
Nestle, H.
Oinger Ale
Ringer, W. (Essence)
Mills, R. M., & Co.

MALT EXTRACT, &c.

Allen & Hanbury
Banger's Food | Brand & Co.
Clarke's Fairy Light Co. (Lim.) (Warner)
Evans, Sons & Co.
Goodall, Backhouse & Co.
Hearon, Squire & Francis
Iridis & Co.
King, F., & Co. (Lim.)
Lieuco Co.
Liquor Carnis Co. (Lim.)
Mason, G., & Co. (Lim.)
Nestle, H.
Oinger Ale
Ringer, W. (Essence)
Mills, R. M., & Co.

MALT EXTRACT, &c.

Allen & Hanbury
Banger's Food | Brand & Co.
Clarke's Fairy Light Co. (Lim.) (Warner)
Evans, Sons & Co.
Goodall, Backhouse & Co.
Hearon, Squire & Francis
Iridis & Co.
King, F., & Co. (Lim.)
Lieuco Co.
Liquor Carnis Co. (Lim.)
Mason, G., & Co. (Lim.)
Nestle, H.
Oinger Ale
Ringer, W. (Essence)
Mills, R. M., & Co.

MALT EXTRACT, &c.

Allen & Hanbury
Banger's Food | Brand & Co.
Clarke's Fairy Light Co. (Lim.) (Warner)
Evans, Sons & Co.
Goodall, Backhouse & Co.
Hearon, Squire & Francis
Iridis & Co.
King, F., & Co. (Lim.)
Lieuco Co.
Liquor Carnis Co. (Lim.)
Mason, G., & Co. (Lim.)
Nestle, H.
Oinger Ale
Ringer, W. (Essence)
Mills, R. M., & Co.

MALT EXTRACT, &c.

Allen & Hanbury
Banger's Food | Brand & Co.
Clarke's Fairy Light Co. (Lim.) (Warner)
Evans, Sons & Co.
Goodall, Backhouse & Co.
Hearon, Squire & Francis
Iridis & Co.
King, F., & Co. (Lim.)
Lieuco Co.
Liquor Carnis Co. (Lim.)
Mason, G., & Co. (Lim.)
Nestle, H.
Oinger Ale
Ringer, W. (Essence)
Mills, R. M., & Co.

MALT EXTRACT, &c.

Allen & Hanbury
Banger's Food | Brand & Co.
Clarke's Fairy Light Co. (Lim.) (Warner)
Evans, Sons & Co.
Goodall, Backhouse & Co.
Hearon, Squire & Francis
Iridis & Co.
King, F., & Co. (Lim.)
Lieuco Co.
Liquor Carnis Co. (Lim.)
Mason, G., & Co. (Lim.)
Nestle, H.
Oinger Ale
Ringer, W. (Essence)
Mills, R. M., & Co.

MALT EXTRACT, &c.

Allen & Hanbury
Banger's Food | Brand & Co.
Clarke's Fairy Light Co. (Lim.) (Warner)
Evans, Sons & Co.
Goodall, Backhouse & Co.
Hearon, Squire & Francis
Iridis & Co.
King, F., & Co. (Lim.)
Lieuco Co.
Liquor Carnis Co. (Lim.)
Mason, G., & Co. (Lim.)
Nestle, H.
Oinger Ale
Ringer, W. (Essence)
Mills, R. M., & Co.

MALT EXTRACT, &c.

Allen & Hanbury
Banger's Food | Brand & Co.
Clarke's Fairy Light Co. (Lim.) (Warner)
Evans, Sons & Co.
Goodall, Backhouse & Co.
Hearon, Squire & Francis
Iridis & Co.
King, F., & Co. (Lim.)
Lieuco Co.
Liquor Carnis Co. (Lim.)
Mason, G., & Co. (Lim.)
Nestle, H.
Oinger Ale
Ringer, W. (Essence)
Mills, R. M., & Co.

MALT EXTRACT, &c.

Allen & Hanbury
Banger's Food | Brand & Co.
Clarke's Fairy Light Co. (Lim.) (Warner)
Evans, Sons & Co.
Goodall, Backhouse & Co.
Hearon, Squire & Francis
Iridis & Co.
King, F., & Co. (Lim.)
Lieuco Co.
Liquor Carnis Co. (Lim.)
Mason, G., & Co. (Lim.)
Nestle, H.
Oinger Ale
Ringer, W. (Essence)
Mills, R. M., & Co.

MALT EXTRACT, &c.

Allen & Hanbury
Banger's Food | Brand & Co.
Clarke's Fairy Light Co. (Lim.) (Warner)
Evans, Sons & Co.
Goodall, Backhouse & Co.
Hearon, Squire & Francis
Iridis & Co.
King, F., & Co. (Lim.)
Lieuco Co.
Liquor Carnis Co. (Lim.)
Mason, G., & Co. (Lim.)
Nestle, H.
Oinger Ale
Ringer, W. (Essence)
Mills, R. M., & Co.

MALT EXTRACT, &c.

Allen & Hanbury
Banger's Food | Brand & Co.
Clarke's Fairy Light Co. (Lim.) (Warner)
Evans, Sons & Co.
Goodall, Backhouse & Co.
Hearon, Squire & Francis
Iridis & Co.
King, F., & Co. (Lim.)
Lieuco Co.
Liquor Carnis Co. (Lim.)
Mason, G., & Co. (Lim.)
Nestle, H.
Oinger Ale
Ringer, W. (Essence)
Mills, R. M., & Co.

MALT EXTRACT, &c.

Allen & Hanbury
Banger's Food | Brand & Co.
Clarke's Fairy Light Co. (Lim.) (Warner)<

POLISHING

Bradley & Bourne (Albany)
Chancellor & Co.
Fletcher, Raybould & Co.
Fordham, W. B., & Sons (Lim.)
Oskey, John, and Sons
Fyn-la Syndicate (Lim.)
Stephens & Co.

PORCELAIN GOODS

Toogood, (E. O. Pot. & Co.)

POULTRY FOOD

Spratt's Patent (Lim.)

PRECIP. CHALK

Governore, Aug., & Co.

PRINTING

Bowen Bros.
Gorsan, J. E. (Glass)
Ford, Shooland & Co.
Hildeheimer & Fankner
Hilverlock H. I. Townsend, J.
Townsend, J.

PURIFICATION

Stern, G. and G.

QUININE SALTS

Boehring, C. F., & Sohne
Greiff, R. W., and Co.
Howards and Sons
Zimmermann A. & M.

RENNET

Duncan, Flockhart and Co.
Greiff, R. W., and Co.
Oldfield, Pattinson and Co.

SACCHARIN

Allen and Hanbury
Burroughs, Wellcome and Co.

SALICIN

Macfarlan and Co.
Smith, T. and H., and Co.

SALICYLIC ACID

Burgoyne, Burdidge and Co.
Fuerst Bros.
Kuhn, B.

Zimmermann, A. and M.

SALT

Stern, G. and G. (Fopalia)

SCHOOLS, &c.

City School of Chemistry and Pharmacy (Lim.)
Liverpool School of Pharmacy
London Homeopathic and Medical School
Manchester Col. of Pharmacy
Northern School of Pharmacy
Owens College
Sheffield School of Pharmacy
South London School of Pharmacy (Lim.)
Royal College of Science
The School of Pharmacy
University of Edinburgh
Westminster College

SAUCES, PICKLES

Goodall, Backhouse and Co.
Masou, G., and Co. (Lim.)
Tyrer, P.

SEALING WAX

Savage & Co. (Holder)

SEEDS

Potter & Clarke

SELTONES

Bratby and Hinchliffe (Ld.)
Evans, Sons and Co.
Fordham, W. B., & Sons (Lim.)

Lynch and Co. (Lim.)

May, Roberts and Co.

SHAVING

Hovenden & Sons (Excoale)
Lloyd, Mrs. A. S. (Excoale)

SHARP DIP

Fletcher Bros. & Co.
Jeyes Sanitary Compounds Co.

SHOP FITTERS

Bowling and Govier
Bygrave, J. and W.
Josephs, P.

Natali, E.

Potts, H., and Co.

S. Howlett

Treble, G., and Co.

SOAP

Ayrton and Saunders
Barclay and Sons (Lim.)
Blondan and Co. (Vinella)

Bronley, H., and Co.

Calvert, F. C., and Co.

Cook, E., and Co.

Dodd Bros.

Fordham, W. B., & Sons (Ld.)

Jeyes Sanitary Compounds Co.

Mathens, P.

Pear's Soap

Price, Napoleon & Co.

Wright, Layman & Umney

SPECTACLES

Botwright and Grey

Darton, F. and Co.

Perken, Son and Rayment

SPONGES

Creswell Bros. & Schmitt's

Evans, Sons and Co.

Peterson, M., and Co.

STAMPS (REVENUE)

Barkley, J.

Hickison, J.

STARCH

Chancellor & Co. (Mack's)

Dumble

Orlitchey (Glass)

STOPPERS

Anstett and Co. (Sprinklers)
Barnett and Foster

Mellin, O.

Stipendium Stopper Co.

STOVES

Clark, S., and Co. (Lim.)

SUGAR

Fletcher, Fletcher and
Stevenson
Gibson, R., and Sons

SUGAR OF MILK

Burroughs Bros.

SULFONAL

Burroughs, Wellcome and Co.
Greiff, R. W., and Co.

May and Baker (Limited)

SURGICAL

Ayrton and Saunders
Bailey, W. H., and Son
Barclay and Sons (Limited)

Cocking, J. T.

Harrison, T. H.

Haywood, J. H.

Krohne and Seemann

Liverpool Patent Lint Co.

Lindsey & Sons

Powell & Barrett

Quelch, H. C.

Richardson, John, & Co. (Lancaster), Lim.

Robinson and Sons

Schntze, F. and Co.

Warne & Co.

White & Co.

Wood, F.

Wood, Vincent

SYPHONS

Barnett and Foster
Bratby and Hinchliffe (Ld.)

British Syphon Co.

Fordham, W. B., & Sons (Lim.)

Gorant, E., & Co.

Idle and Co.

Kilner Bros.

Mellin, O.

Schweppe, J., & Co.

SYRUPS

Anderson & Co.

Fletcher, Fletcher (Liquors)

Idrie and Co.

Wood, Cooper & Co.

TABLETS

Bliton, Astley & Co. (Sniphur)

Corean, J. B. (advertising)

TEA

Cave, Johnson & Co.
Gt. Tower St. Tea Co.

Kearley & Tonge

Lipton

Walker and Dalrymple

TEETHING PADS

Marriott, E., & Co.

THERMOMETERS

Bailey, W. H., and Son

Barclay and Sons (Lim.)

Darton, F., and Co.

Evans, Sons and Co.

Hicks, J. J.

Hildebrand & Co.

Perken Son and Rayment

TOBACCO, CIGARS, CIGARETTES

Taddy and Co.

TOILET

Allen & Hanbury's (Chrisme)

Balm of Bethered

Burroughs, Wellcome and Co.

(Lanoline)

Dee Oil Co. (Lim.)

Hovenden & Sons

Quelch, H. C.

Rowland, A., and Sons

Trineff, H. F. (Limited)

TOOTH PASTE

Anglo-American Drug Co.

(Lim.)

Beecham, T.

Jewsbury and Brown

Stanton, O. and Co. (Block)

Wilson, A. (Bunter's)

Woods, M. (Arane)

TOOTHACHE CURE

Tait & Co.

TRADE MARKS

Browne, T. B.

Fleuret, J. B.

Horn & Son

Trade Mark Agency

TRUSSES

Bailey, W. H., and Son

Evans, Sons & Co.

Haywood, J. H.

Indes & Sons

White & Co.

TYPEWRITERS

Remington Standard

URETHANE

Howards & Sons

VACCINATION

Himee, Dr.

Vaccine Association (Lyn ph)

VASELINE

Chesebrough Manufacturing Co.

VALUERS AND

TRANSF. &c.
Bardce and Co. Brett, F. J.

Crocker, G. B., & Co.

Orridge and Co.

VETERINARY

Bigg, T. Bird & Storey

Day, Son and Hewitt

Elliman, Sons and Co.

James, W. H. (Blister)

Jeyes Sanitary Compounds

Lloyd, T., Howard & Co.

Rookledge, P. E.

Spratts (Dogs)

Walker, Troke and Co

Wyleys, Lim.

VINOLIA (Superfitt's)

Blondan and Co.

WHOLESALE AND

SECRET DRUGS

Allen and Hanbury

Anderson & Co.

Barron, Harvey and Co.

Battley and Watts

Burgoyne, Burdidge and Co.

Bush, W. J., and Co.

Bush, W. J., and Co.

Coward, G. F., & Co.

Delaore, Ch., & Co.

Evans, Sons and Co.

Evans, Leacher and Webb

Ferris and Co.

Fox, W., and Sons

Goodall, Backhouse and Co.

Harker, Stagg and Morgan

Hearon, Squire and Francis

Hewlett and Son

Hill, A. S., and Son

Hodgkissons, Treacher and Co

Lothions and Saltmer

Lloyd, T., Howard and Co.

Macfarlan, J. F., and Co.

Murdoch, J. R.

Oldfield, Pattinson and Co.

Potter and Clarke

Richardson, J., and Co.

Smith & Sons

Synce & Co.

Thompson and Capper

Walker, Troke and Co.

Willows, Francis and Butler

Woolley, Jas., Sons and Co.

Wright, Layman and Umney

WINES, SPIRITS

Armbricht, Nelson and Co.

(Ooca)

Durrant & Co.

Goodall, Backhouse and Co.

French Hygienic Socy. (Ooca)

Idrie & Co.

Miller, A., & Co. (Orange)

Robinson, B. Rose & Co

ONLY
GENUINE
WITH SIGNATURE
IN BLUE

J. Liebig

FOR
SOUPS
SAUCES
GRAVIES
AND
MADE
DISHES



LIEBIG "COMPANY'S" EXTRACT OF BEEF.

Cookery Books Free on application to
LIEBIG'S EXTRACT OF MEAT CO., LTD.,
9, Fenchurch Avenue, E.C.

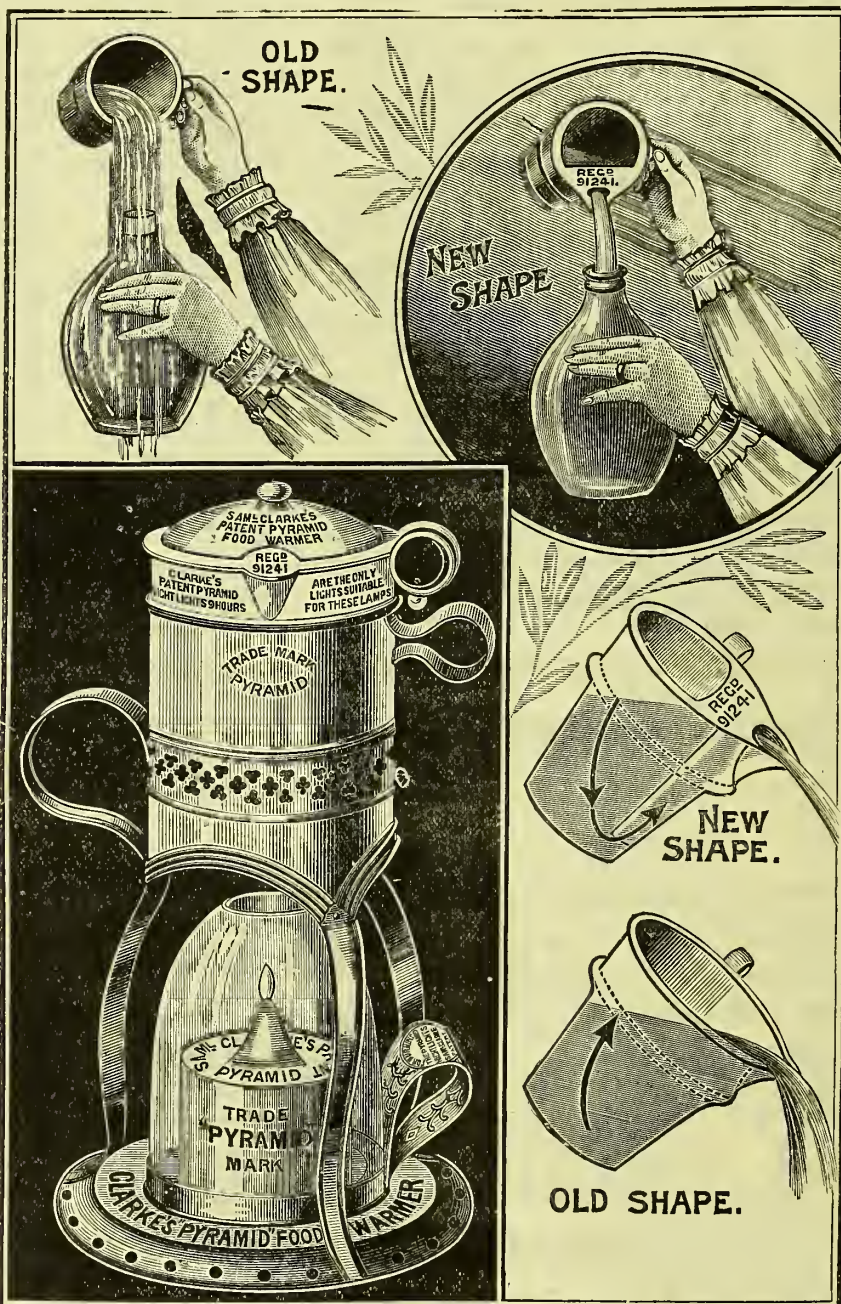
No Paraffin or other Dangerous Material used in the manufacture of Clarke's Lights.

CLARKE'S IMPROVED PANNIKIN (Registered)

For use with CLARKE'S "PYRAMID" NURSERY LAMPS.

20/, 30/, 33/, 36/, 48/ per dozen
...
...
...
...
8/, 10/, 12/, 15/ per dozen.

LAMPS COMPLETE
EXTRA PANNIKINS



The New Registered Pannikin will fit all the old Nursery Lamps, and can be purchased separately.

By this invention any liquid food can be poured out or drunk without scum or grease passing through the spout and prevents spilling when poured into a Feeding Bottle, so objectionable with all other Pannikins.

These Pannikins will fit all the old "Pyramid" Nursery Lamps, and can be purchased separately.

N.B.—Ask for Clarke's Pannikin, and see that his name and the registered number (Registered 91,241) is on the Pannikin, and Trade Mark "Pyramid."

Clarke's Patent "PYRAMID" Night Lights are the only Lights suitable for these Lamps.

CLARKE'S PYRAMID & FAIRY LIGHT CO., LIM.

WORKS—CRICKLEWOOD, N.W.

SHOWROOM—31 ELY PLACE.

'THE CLIMAX OF PHARMACEUTICAL PERFECTION.'*—Indian Medical Record.*

Have you considered the advisability of being up to date? Are you aware that you will merit the thanks of your local medical men by introducing to them what are really pharmaceutical improvements? If so, do you stock **PALATINOIDS** and **BI-PALATINOIDS**?

YOU DO NOT KNOW WHAT LINES SELL?

Write to us, and we will inform you. We are building up a large business, and need the co-operation of Chemists. Our interests are identical with your own, for all our goods bear dispensing profits. "Good wine needs no bush."

Write for samples and examine our preparations, acknowledged on all hands to be unrivalled.

'PALATINOID' & "PALATINOID" "BI-PALATINOID" "BI-PALATINOID"
'BI-PALATINOID' OPENED. (FERROUS CARBONATE) (FERROUS PHOSPHATE)



Before immersion in water.



After three minutes' immersion in water at normal temperature of stomach.



OPPENHEIMER, SON & CO., LTD., 14 WORSHIP STREET, E.C.

LOFTHOUSE & SALTMER,

MANUFACTURING CHEMISTS, WHOLESALE & EXPORT DRUG MERCHANTS, HULL,

Manufacturers of all Pharmaceutical Preparations on the best and most improved principles. Quotations on application.
DEALERS IN PURE CHEMICALS for Medicinal, Photographic, and Commercial purposes.

Importers of Cod Liver, Castor, and Olive Oils; Extra Super Essence of Lemon and Bergamot, Otto de Rose, and all



Essential Oils; Valentia Saffron; Vanillas; Fruit Essences; Carmine, Aniline Dyes; Bees' Wax, &c., &c.

MANUFACTURERS of Very Superior Flexible Gelatine Capsules of Balsam Copaiba, Cascara Sagrada, Castor Oil, Cod-liver Oil, Santal Oil, &c. Samples and Lowest Quotations per 1,000, or in Boxes for Retail, will be sent on application for either the Wholesale or Retail Trade.

SALICYLIC
ACID
AND
SALICYLATES

MANUFACTURED UNDER KOLBE'S PROCESS BY

J. HAUFF, FEUERBACH - STUTTGART.

To be obtained from the Sole Agents.

N.B.—Stock kept in London.

FUERST BROS., 17 PHILPOT LANE, LONDON, E.C.
Telegrams—"FUERST LONDON." Telephone No. 1050.

THE SPECIAL ATTENTION OF CHEMISTS

IS DRAWN TO THE FOLLOWING:—

LINSEED, LIQUORICE, AND CHLORODYNE COUGH LOZENGES.

A HANDSOME COUNTER MAHOGANY SHOW CASE

Given to any Chemist buying 1 cwt. of above Lozenges. Price 1/- per lb. net.

GIBSON'S VOCAL LOZENGE

"TOP NOTE PRODUCERS."

The immensely increasing demand for these Lozenges, and their wonderful popularity, is entirely due to their intrinsic merits, not only as producers of a fine clear voice, but as an effectual remedy for all Chest Affections; Sore Throats, arising from cold, seem to disappear as if by magic; Tickling in the Throat or Hoarseness is removed by allowing a few Lozenges to gradually dissolve in the mouth; indeed, Debility and Weakness of the Vocal Organs are unknown to those who regularly use these valuable Lozenges. Sold in 1/1½ and 2/9 Boxes.

CHERRY BLOSSOM LOZENGE,

The most delightful and delicately perfumed Lozenge ever produced; have an immense sale.

With 4 lbs. of these Lozenges we give one of Mellin's Patent White-glass Silver Top Screw-stoppered Bottles.

VOICE AND THROAT LOZENGES,

FOR SINGERS AND PUBLIC SPEAKERS.

DIGESTIVE DINNER TABLETS,

Composed of Bismuth, Cardamom, Soda, Rhubarb, Ginger, &c.

CHOCOLATE WORM CAKES,

Very palatable and unusually attractive.

Packed in Tins, each containing 3 doz., 6 doz., or 12 doz. Cakes. Retail at One Penny each.

Sugar Worm Cakes,

Contain Calomel, Jalap, and Santonine (flavoured with Raspberry), are palatable and very effective.

As they will keep in any climate, a steadily increasing demand is made for them for EXPORT.

Put up in 3-doz., 6-doz., and 1-gross Tins.

[1]

Indents from abroad, marked "GIBSON," may be sent to any Wholesale Drug or Shipping House in the Kingdom.

Price Lists sent on application to

ROBERT GIBSON & SONS, CARLTON WORKS, MANCHESTER,

AND

NO. 1 GLASSHOUSE YARD, ALDERSGATE STREET, LONDON.

GEMS OF PHARMACY.

ANTIPYRIN

Still maintains its position as an analgesic and antithermic, and is conveniently administered in "Tabloids" of 5 grains. New combinations of this drug are: Hypnal (Antipyrin with Chloral) and Iodopyrin (Antipyrin with a H atom in the Phenyl group replaced by Iodine).

Supplied to the Trade in Powder and Crystal, 3/4 per oz.; "Tabloids," 25 and 100 in bottle, 14/- and 50/- per doz.

DIALYSED IRON

(B., W. & Co.).

A pure neutral solution of Iron Peroxide in the Colloid form; each fluid ounce contains 27.68 grains. This preparation does not cause constipation and does not blacken the teeth. The problem of presenting this useful agent in the compressed form has now been solved, and we now issue "Tabloids" of Dialysed Iron, each "Tabloid" being equal to 10 mins. of the solution. They dissolve easily and are highly convenient.

Supplied to the Trade in $\frac{1}{4}$ lb. and 1 lb. bottles at 27/- and 42/- per doz.

HAZELINE.

A water-white fluid containing all the active principles of the Witch Hazel (*Hammelis virginica*) prepared by distillation of the fresh young twigs, bark, and leaves, of a pleasant aromatic odour and having properties singularly effective in the treatment of hæmorrhage, either from the lungs, stomach, bowels, womb, or nose. May be used externally as well as internally, and is one of the most useful and valuable agents in emergencies.

Supplied to the Trade in $\frac{1}{4}$ lb. and 1 lb. bottles at 14/- and 42/- per doz.

ICHTHYOL.

A brownish treacly liquid preparation by distillation of a bitumen found in the Tyrol and subsequent neutralisation by an appropriate base, the Ammonium Ichthyolate being generally used. Is soluble in water, glycerine, and oils, and, when allied with "Lanoline," forms an ointment for use in dermatology or in obstetrics. The internal administration of Ichthyol concurrently with its external use is now recognised as important, and for this purpose the new Ichthyol "Tabloid" (2½ gr.) is highly appreciated.

Supplied to the Trade at 15/- per lb. "Tabloids," 24 and 100 in bottle, 8/- and 24/- per doz.

DIURETIN (Knoll)

Is Sodio-theobromine-sodio-salicylate, and one of our most powerful diuretics. To produce good results it must be given in large doses, the maximum quantity for one day being 120 gr. Diuretin is not cumulative in its action, so that it can be applied for prolonged periods; acts by direct influence on the secreting parenchyma of the kidneys. It being undesirable to prescribe this remedy in powder on account of absorption of carbon dioxide from the air, "Tabloids" are consequently the best form in which to prescribe it.

Diuretin "Tabloids" supplied to the Trade in bottles of 25 and 100 at 30/- and 84/- per doz.

SACCHARIN.

It may be said that after so many tests and trials that this body is a perfectly innocuous sweetening agent for foods and beverages, since it passes through the system unaltered. In cases of diabetic and glycosuric subjects Saccharin is simply invaluable, and is highly appreciated by patients. "Tabloids" of Saccharin, containing one-half of a grain each, will be found very serviceable and convenient to those who are *en voyage*, as a small vinaigrette bottle handy for pocket will hold 100 of these.

In bottles of 100 and 200 at 7/6 and 14/- per doz. Soluble Saccharin in 1-oz. bottles and $\frac{1}{4}$ -oz. oval bottles at 46/- and 14/- per doz.

SULPHONAL.

This valuable hypnotic and substitute for chloral will be found to be most effective when given as 5-gr. "Tabloids," which fall into a fine powder on the tongue or in the stomach. The "Tabloid" form is especially valuable to patients travelling, no risk of loss by breakage as with liquid preparations, the accuracy of dose and their handy and portable character being no less important. Two to six "Tabloids," given about two hours before the time at which the desired effect is to be brought about, will be found to answer admirably in most cases.

Sulphonal "tabloids" supplied to the Trade in bottles of 25 and 100, at 8/6 and 24/- per doz. Sulphonal in crystals, 1/6 per oz.

SALOL

Is Salicylate of Phenyl, and largely prescribed internally to produce antiseptics in typhoid fever, cholera morbus, and affections of the genito-urinary passages. While in the system Salol breaks up into its components, reappearing in the urine, which becomes dark-colored, in their separate forms. The "Tabloid" containing 5 gr. each is positively one of the best forms for the administration of this valuable antipyretic and antiseptic.

Salol "Tabloids" supplied to the Trade in bottles of 25 and 100, at 10/- and 26/- per doz. In the crystal, at 1/3 per oz. and 16/10½ per lb.

GLYCERINUM PEPTICUM.

A Glycerine Extract of the Peptic Ferments and possessing all the best characteristics of a concentrated and very active solution of Pepsin. Of a uniform and unalterable character, it contains neither alcohol nor any antiseptic other than Glycerine of the purest character. Forms a clear mixture with all media with which pepsin is usually allied and with which it may be used without chemical disturbance. Twelve minims will be found to possess the digestive power of one grain of the best pepsin to be found in the market. Pharmacists will find this solution a real convenience, as it enables them to make up Fluid Pepsin preparations quickly and economically without loss of time or substance by filtration.

Supplied to the Trade in 4-oz. and 1-lb. bottles at 22/- and 72/- per doz.

PEPTONISING POWDERS

(Fairchild).

To peptonise foods, either for children or invalids, the Peptonising Powders (Fairchild) will be found eminently satisfactory, and the process itself is so simple that the least trained nurse can well carry it out. Each powder contains sufficient Zymine and Sodium Bicarbonate to completely digest a pint of milk, and the fullest directions are given in a little *brochure* which accompanies each box.

Supplied to the Trade in boxes of 12 tubes each at 14/- per doz. boxes.

HAZELINE CREAM.

In this preparation, of which the basis is purified Lanoline, the soothing qualities of that wonderful emollient are combined with the valuable properties of Hazeline. It has the striking advantage over the toilet creams and salves of the pharmacists in that it cannot possibly become rancid, for the simple reason that the free fatty acids, the cause of rancidity in ordinary fats, do not exist in Lanoline at all. The uses of Hazeline for toilet and surgical purposes are many and varied, and can always be safely employed.

Supplied to the Trade in 2-oz. jars, 1/2 each, and in collapsible tubes at 14/- per doz.

BEEF AND IRON WINE

(B., W. & Co.).

A combination of the nutrients of best Beef with an easily assimilable Salt of Iron. Is a favourite tonic, conspicuous among Iron preparations in that it does not cause constipation, even when taken by the greatest invalid; this after-effect so characteristic of iron combinations being avoided by careful elimination of every trace of Tannin in the solvent used. May be had with or without Quinine.

Supplied to the Trade in $\frac{1}{2}$ and 1 lb. bottles at 22/- and 42/-; with Quinine, 27/- and 50/- per doz.

BURROUGHS, WELLCOME & CO., MANUFACTURING CHEMISTS.

LONDON—
Snow Hill Buildings.

NEW YORK—
62 & 64 Fulton St.

MELBOURNE—
456 Collins St. West.

BRUSSELS—
80 Montagne de la Cour.

PARIS—

"VASELINE" SOAPS.

Three Styles

PERFUMED. Boxes of 3 doz. Tablets ...

UNSCENTED. Ditto ditto ...

TAR. Card boxes of 6 Tablets ...

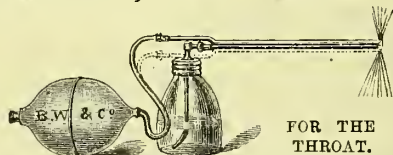
24/- Per gross Tablets.
Assorted if preferred.

CHEAPER, BETTER, AND MORE PROFITABLE THAN ANY SOAPS IN THE WORLD.

CHESEBROUGH MANUFACTURING CO., 42 HOLBORN VIADUCT, LONDON, E.C.

Sole Proprietors and Makers of "VASELINE."

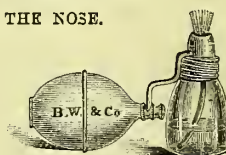
THE B., W. & CO. PAROLEINE ATOMISER.



FOR THE THROAT.

The B., W. & Co. Post-nasal Paroleine Atomiser, 5s. 2d. each.

FOR THE NOSE.



The B., W. & Co. Naso-pharyngeal Paroleine Atomiser, 3s. 5d. each.

PAROLEINE ATOMISERS.—These elegant little instruments are intended for applying to the naso-pharyngeal mucous membrane a fine spray of an oily solution, or of plain "Paroleine" (B., W. & Co.), which is a basic paraffin oil free from odour, colour, and taste.

The *Journal of Laryngology and Rhinology* says:—"This instrument has delighted us. We have so often asked for a spray that would throw a fine vapour of an ointment or oily basis; and those which are offered are anything but satisfactory. The spray before us meets all our wants. No laryngologist's table will be complete without one of these beautiful sprays."—December, 1890.

PAROLEINE.—This bland, tasteless, and neutral oil (prepared from the heavier paraffins) is a ready solvent of most essential oils, as well as of Tannin, Menthol, Salol, Pinol, Eucalyptia, Iodoform, Creosote, and other medicaments intended for use as atomised inhalations. Paroleine is prepared specially for use with our Post-nasal and Naso-pharyngeal Atomisers.

Paroleine supplied to the Trade in 4-oz. and 1-lb. Bottles, at 8/6 and 24/- per dozen.

BURROUGHS, WELLCOME & CO., SNOW HILL BUILDINGS, LONDON, E.C.



SPECIALITIES.

Aromatic Spirit of Ammonia.

Distilled from Volcanic Ammonia.

SPIRIT OF NITROUS ETHER.

Guaranteed of Official Strength.

The "Extra Pale" Cod-Liver Oil.

Free from fishy odour. Unchanged at 32° F.

PURE CRUSHED LINSEED.

Ground from Sorted Seed.

Pure Yellow Beeswax.

In Bars, and in ½-oz., 1-oz., and 2-oz. Cakes.

LEVICATED OINTMENTS.

By Steam Power.

TASTELESS COATED PILLS,

Soluble in Cold Water.

CONCENTRATED INFUSIONS,

FLUID EXTRACTS,

SOLUBLE ESSENCES, &c.

JAMES WOOLLEY, SONS & CO.

New Warehouse, Offices, & Showrooms:

VICTORIA BRIDGE:

Laboratories: Knowsley St., Cheetham,

Manchester



ESTABLISHED 1859.

CHIEF OFFICE: 42 CANNON STREET, LONDON, E.C.

BRANCH OFFICES: FINK'S BUILDINGS, MELBOURNE, VIC., AND
12 EMPIRE CHAMBERS, YORK STREET, SYDNEY, N.S.W.

A weekly journal, supplied from the chief office in London to subscribers and persons connected with the trade only. Subscription, 10s. per year, payable in advance, including a copy of the DIARY next published, and postage to any country in the world. Single copies, 4d. each. Cheques and Postal Orders should be made payable to "EDWARD HALSE," and crossed "MARTIN'S BANK (LIMITED)."

CONTENTS: VOL. XLII. No. 2.

	PAGE		PAGE
A Centenarian Doctor.....	56	New Companies.....	47
Australasian News.....	37	Next Week.....	64
Bankruptcy Reports.....	45	Personalities.....	47
Business Changes.....	44	Pharmaceutical Society of Great Britain :—	
Correspondence.....	61	Council Meeting.....	39
Deaths.....	47	January Examinations.....	41
Deeds of Arrangement.....	55	Preliminary Examination.....	
Diary Competition.....	52	Questions.....	41
Editorial Comments :—		Pharmaceutical Society of Ireland :—	
The Chemistry of Bergamot.....	48	Council Meeting.....	42
The Title Veterinary Chemist.....	49	Railway Rates and “Smalls”.....	53
Our Foreign Trade.....	49	Safety Matches. By B. S. Proctor.....	52
Notes.....	50	Scotch News.....	36
English News.....	34	The Winter Session.....	43
Foreign and Colonial News.....	38	Trade-marks Applied for.....	38
French Pharmaceutical News.....	37	Trade Notes.....	46
Gazette.....	60	Trade Reports.....	56
Irish News.....	36		
Legal Reports.....	53		
Marriages.....	47		

"INSETS."

THE word is a familiar one to advertisers and printers. It means a circular, price-list, or other printed matter prepared for insertion in such a journal as THE CHEMIST AND DRUGGIST. Insets are regarded as one of the most effective methods of advertising. They give free scope to artistic or original ideas. Of that there has been splendid testimony in past Winter and Summer Issues of this journal. Some of the best firms in the country—amongst them the princes of advertising—have devoted infinite pains to designing original circulars which they have entrusted to us for distribution.

"But does it pay?" someone may ask. It does. And the best proof of that is the repeat orders given for Special Issues. Keen advertisers do not repeat failures, and have nothing but new business and fresh connections to gain by spending money on THE CHEMIST AND DRUGGIST. It would be bad business on our part to invite others to follow this example if we had not proof, and ample proof, of the profitability of this method of advertising.

Apart from these considerations, there is the fact to bear in mind that few firms do not issue circulars or price-lists on a plan which is more or less conventional. They have the trouble of finding out for themselves where to send them folding the circulars, addressing wrappers, and posting. We offer to relieve them of all that trouble, to stitch circulars and price-lists along with the pages of the Winter Issue of THE CHEMIST AND DRUGGIST, January 28, and to deliver them to 11,000 of the best buyers at home and abroad, at a less charge than the price of postage. Those who look upon our proposal with favour should communicate with the Publisher at once. There is no time to lose.

Summary.

WE state the condition of the poll in the DIARY competition.

THE Pharmaceutical Society is fitting up a histological laboratory.

MR. HARRY KEMP has been appointed local secretary for Manchester, in room of Mr. F. Baden Bengel, resigned.

WE report a meeting of the creditors of Mr. Hardy, chemist, Fenchurch Street, and print a list of his creditors.

DR. BERNARD DYER shows that fresh linseed cake contains little if any free fatty acid, but adulterated and old cake contains much.

THE Preliminary examination of the Pharmaceutical Society was held throughout Great Britain on Tuesday. We print the questions.

THE men charged with stealing and receiving Condy's fluid were, at the Old Bailey, on Thursday, sentenced to a year's imprisonment.

IT will be seen from our column of Australian news that the Pharmacy Board and the Government of New South Wales are at "loggerheads."

MR. GREEN described a scheme for the qualitative analysis of coal-tar colours at the London meeting of the Society of Chemical Industry on Monday.

WE print the names of those who passed the Major and Minor examinations in London this month—slightly more than a third of those examined.

THE chemists' assistants of Denmark are agitating for an improvement of their conditions of labour; they want the older men to leave the trade a little quicker.

THE Pharmaceutical Council tentatively discussed a proposal to have more local secretaries, but Mr. Carteighe rather dampened the ardour of the proposers, and urged local agreement as a first principle.

MR. A. H. ALLEN, of Sheffield, in reporting to the Derbyshire County Council on tincture of rhubarb samples, comments on the absurdity of the lack of pharmacopœial standards for such preparations.

AN interesting ceremony took place on Tuesday under the auspices of the Society for the Study of Inebriety, when Dr. Severin Wielobycki was presented with several addresses of congratulation upon the completion of the 100th year of his life.

THE new railway rates, which came into force on January 1, are causing considerable agitation in commercial circles. We refer to the charges for "smalls," which most closely affect the drug-trade, and in connection therewith have interviewed Mr. Umney.

THE action brought at Sligo by the Pharmaceutical Society against two grocers of that town in respect of the sale of Fellows's syrup, has resulted in penalties of 1s. being imposed for selling the preparation without a poison-label, and of 5s. for selling it, being unqualified to do so, in each case.

IN an action brought by the Pharmaceutical Society in the Liverpool County Court against an unqualified assistant who, it was alleged, had sold laudanum, the Society was non-suited because their witness was not able to identify the defendant as the person who had sold the laudanum to him.

THE markets remain quiet, with the exception of speculative excitement in shellac, cloves, and a few other articles. The drug-sales took place on Friday, December 6, after the publication of our last issue. Several points of interest to buyers in connection with these auctions are touched upon this week.

WE bring before chemists interested the announcement that the Royal College of Veterinary Surgeons have now commenced proceedings against a chemist for describing himself as a "veterinary chemist," and we invite those who think the question ought to be fully contested to communicate with us.

English News.

The Editor is obliged to correspondents who send local newspapers containing items of interest to the trade. He will be further obliged if such paragraphs be marked in all cases.

Chemists' Assistants' Association.

The programme of the second quarter of the session has just been issued. It is a good one. The "paper" arrangements include Mr. Anquetil on "Poisonous Plants," Mr. Holmes on "Seaweeds," Mr. A. H. McConnell on "Vegetable and Animal Parasites," Mr. Jowett on "Essential Oils," Mr. Gane on "Synthetic Remedies," Mr. Chattaway on "The Study of Chemistry as a Training for the Mind," Professor Green on "Vegetable Enzymes," and Mr. Campbell Stark will also contribute a paper; while there will be short-paper evenings on January 26 and March 16. The annual dinner falls to be held on March 9.

Taking A.B.C. Liniment for a Mixture.

Edward Heapy Williamson, of Buxton, a mason's labourer, 55 years of age, got some rubbing-stuff for his rheumatism. It was composed of aconite, belladonna, and chloroform. The bottle was put in a cupboard, where was also a bottle of cough-mixture. He got up early one morning last week to go to his work, and, intending to take the cough-mixture, took the liniment instead, with fatal results.

Festivities.

The ninth annual "Extract" dinner in connection with Messrs. Newball & Mason's Hyson Green Works, Nottingham, took place on Friday night in one of the large rooms of the factory, which was tastefully decorated for the occasion. The chair was occupied by Mr. T. Mason, and Mr. B. Deaville acted as Vice-Chairman. After the usual loyal toasts, Mr. E. Cox, foreman, proposed "Success to the Firm," which was responded to by the Chairman. During the evening an interesting programme was gone through by the employés, with the assistance of Mr. T. W. Davies, the well-known Nottingham humorist, and Mr. S. Newton, pianist. A tasteful announcement of the affair was distributed printed by the firm.

The staff in the employ of "Edwards' Harlene" met at the Holborn Restaurant on the last evening of the old year, and dined, then danced and sang until a late hour. Mr. R. Goldstein filled the chair, and Mr. T. H. Browne was Vice. The Chairman's health was proposed by General Isaacs. The principal of the firm led off the dancing with one of his fair employées.

The annual dinner given by the firm of Messrs. T. Howard Lloyd & Co., manufacturing chemists, Leicester, to their employés took place on Saturday evening, January 7, at the Clarendon Restaurant. The principal, Mr. T. Howard Lloyd, occupied the chair. An excellent repast was the first item of the proceedings, and this was followed by a lively programme of music, songs, and recitations, rendered by the staff. In the course of the evening, Mr. Lloyd made a few remarks, commenting on the good relations between the staff and the firm, and the rapid development of the business. He also referred in complimentary terms to the energetic and persevering efforts of the representatives of the firm, two of whom—Mr. C. J. Cotchin and Mr. A. Newton—were present, and expressed the hope that by the combined efforts of all concerned, the business would go on increasing and developing on the lines so successfully laid down. Mr. W. H. Lloyd reported on the *materia medica* class of the employés which he had been conducting one evening per week for the past twelve months. An examination had been held, and prizes were awarded to Messrs. Davis and Ncale, to whom they were presented during the evening. Mr. George Ward moved a vote of thanks to the firm, and Mr. Cotching seconded the motion, which was carried enthusiastically.

The annual smoking-concert and supper of the employés of Messrs. Baiss Bros. & Co., was held on Tuesday evening, December 10, at the Moorgate, Finsbury Pavement, and was a very successful event. Mr. Arnold Baiss occupied the

chair, with Mr. S. C. Welch as Vice. Among the visitors present were Mr. Alfred Lambert, Mr. R. C. Treatt, Mr. Samuel Lambert, Mr. C. E. Garman, and other gentlemen well known in the drug-trade. After speeches from the Chair and Vice, "The health of the Firm, coupled with the name of the worthy Chairman," was proposed by Mr. Alfred Lambert, and met with an enthusiastic reception. After a few more speeches, the musical portion of the programme was proceeded with, and proved to be of a most entertaining character. The "Intermezzo" by Mascagni, admirably performed on the piano, violin, and flute by Messrs. Harriss, T. A. and W. J. Watts set the ball rolling. Master Welch gave "The Future Mrs. 'Awkins," in true Chevalier style. Mr. E. T. Lewis sang "True till Death" with much feeling and effect. Mr. H. Fifield won hearty applause for his "Stump Speech" in nigger "get-up," and he also gave two very amusing songs. Mr. S. C. Welch rendered "Ora pro Nobis" with great effect. Good songs were also given by Messrs. J. Lloyd, P. Nicoll, W. J. Watts, A. S. Trendell, C. Evans, and A. Scates. Mr. Harriss presided at the piano.

A Fancy for Gold Rings.

Frederick Augustus Montgomery Cole, said to be a chemist, but not on the register, was charged at the Exeter Sessions last week, with stealing four gold rings, value 4*l.* 14*s.*, the property of William Richards, at Tavistock, on November 18. A second count charged the prisoner with stealing two gold rings, value 2*l.* 10*s.*, the property of John E. Symons, at Tavistock, on November 18. Prisoner pleaded guilty, and expressed deep contrition for the crime. He was sent to gaol for four months with hard labour.

Buying Goods Fraudulently.

George Rowe, 34, was sentenced at the County of London Sessions on January 6 to eighteen months' imprisonment for frauds on manufacturers. He ordered and obtained goods from Jeyes' Sanitary Compounds Company, in the name of Augustus Rowe & Co., from Morton & Co., and from the Liverpool Sanitary Powders Company, to whom he also made false representations.

The Collector and the Chemist.

George Long Cobden, described as chairman of the Gas and Water League, who, as reported last week, was charged at the Westminster Police Court with having obtained 1*s.* by false pretences from Sidney Klosz, chemist, of 19 King's Road, Chelsea, reappeared before Mr. de Rutzen, on January 6. The defence was that the defendant was carrying on a *bona-fide* public movement, and that Sir Charles Dilke, M.P., had promised to present his petition in the coming session. Last week a remand was taken for the Treasury to decide whether or not they would undertake the prosecution. Mr. Baker mentioned that he was prepared with evidence for the defence. Mr. de Rutzen, addressing the defendant, said the case had been under careful consideration, but inasmuch as the defendant's practices had been going on for something like eighteen years, they were very difficult to deal with. In consequence he was going to discharge the defendant, and he hoped that the attention of the public had been sufficiently drawn to the matter to put a stop to the course the defendant had so long pursued. The accused was discharged.

Billiards in the Wrong Place.

A rough-looking man named Muggeridge, was charged at the Aldershot Police Court last week with wilful damage. Opposite the shop of Messrs. Allen & Lloyd, chemists, defendant asked a man if he could play billiards, and said he would show him. He took large stones out of his pocket, and dashed them through the window, smashing the plate-glass, and two large carboys holding 6 gallons, which flooded and destroyed most of the goods in the window. The damage to the plate-glass was 7*l.* 10*s.*, and to the goods inside from 10*l.* to 12*l.* He made no excuse or reply. Committed for trial at the ensuing Hants Quarter Sessions.

The Shop Hours Act.

The London County Council are looking sharply after the administration of this Act. To all shopkeepers in London who have employés under 18 years of age living out they

have given a placard for exhibition, and the distribution of these has been followed up by a visit to see that the placards are exhibited. Next they will see that no young person is employed illegally.

Killed by Carbolic Acid.

A pauper lad was admitted to the Lymington workhouse about New Year's Day. He was very dirty, and somebody ordered the porter to put carbolic acid in the bath. The boy was sadly burned, he screamed and fainted. He lingered six days and died. While he was conscious he said the porter poured the acid over him. A verdict of manslaughter has been returned by the Coroner's jury. Robert John Lane, porter at the workhouse, was on Monday committed for trial for the manslaughter of the boy.

The Sale of Food and Drugs Act.—Complaint against Magistrates.

At a meeting of the Sanitary Inspectors' Association, held on January 7, Mr. Grist, sanitary inspector to St. George-the-Martyr Vestry, Southwark, said that one of the greatest difficulties inspectors had to combat in the execution of their duties was the laxity shown by certain Metropolitan magistrates in convicting persons who were summoned under the Food and Drugs Act. His experience was that magistrates very often acted as counsel for the defendants instead of inflicting exemplary punishments and so putting into force the Act which was passed for the benefit of the public generally. In a recent case in which he was prosecuting on behalf of the Vestry, and in which the offence was fully proved, the Magistrate refused to convict until the minutes of the Vestry were produced to show that the inspector had been duly authorised to prosecute, and the case was adjourned for a week. It was simply impossible for the Act to be properly put in force so long as this condition of affairs existed.

The Charge of Embezzlement against a Chemist.

At Knutsford Quarter Sessions, William Seymour Gandy-chemist and druggist, Gee Cross, was charged with embezzling 1*l.* 9*s.* 11*d.*, 3*l.* 16*s.*, and 2*l.* 18*s.* 7*d.*, the moneys of his employers, Messrs. J. Hulme & Co., wholesale chemists and druggists, Oldham. He was also charged with falsifying the accounts of the firm. Mr. Yates prosecuted, and Mr. E. H. Lloyd defended.

Mr. Yates recapitulated the offences with which prisoner was charged, and Mr. Joseph Charles Williamson, managing director of the firm, gave evidence similar to that adduced at the police court, and which was reported in *THE CHEMIST AND DRUGGIST* of December 17; and Mr. Lloyd questioned Mr. Williamson at some length with regard to prisoner's duties and his remuneration, and also as to the manner in which the firm's books were kept. Other evidence for the prosecution having been given, Mr. Lloyd rose to make his defence, when the foreman of the jury said he did not think it was necessary for him to address them.

Mr. Lloyd: You would not think of deciding against the prisoner without hearing me?

The Foreman: Certainly not.

After a few minutes' consultation, the foreman said they had come to a decision. They thought that, owing to the irregular way in which the books were kept, and the state in which they were in, the prisoner ought to be released, and, therefore, they returned a verdict of not guilty.

The charge of falsifying accounts was also dismissed, the Chairman (his Honour Sir Horatio Lloyd) remarking that, after what the jury had said, he thought it would not be of any use going on with the case.

Prisoner was thereupon discharged.

Society of Public Analysts.

The annual meeting of this Society was held last week, when Sir Charles Cameron, M.D., of Dublin, was elected President to succeed Mr. Otto Hehner. A satisfactory report was submitted by the Council. The members afterwards dined together in the Criterion Restaurant.

Deficient Seidlitz Powders.

On Wednesday, at the meeting of the Canterbury Town Council, the action of the General Purposes Committee in

cautioning certain grocery firms against continuing the sale of seidlitz powders which were not in accordance with the British Pharmacopœia was confirmed. The Mayor said some of the tradesmen were still selling the powders at a price for which new ones could not be procured and it was understood that the officials of the city would follow the matter up in the event of the old powders being sold after the issue of the warning.

Analysts' Charges.

At a meeting of the Holland County Council Standing Joint Committee a discussion occurred with reference to the charges made for analytical work in connection with criminal cases, and Capt. Bicknell, the chief constable, stated, in answer to questions, that it was not usual to expect the county analyst to analyse samples for other purposes than the Food and Drugs Act for the small fee of 10*s.* 6*d.* A guinea had been charged in some cases, and the Chairman demurred to payment. Capt. Bignell further stated he had rarely obtained an analysis for so small a sum as a guinea, never less, and usually the sum paid was more. The bills were passed for payment.

Saffron in Tincture of Rhubarb.

Mr. A. H. Allen, of Sheffield, public analyst for the northern division of Derbyshire, in a report to the County Council, states that he has recently had three samples of tincture of rhubarb submitted to him for analysis. Two of them were destitute of saffron, which is directed by the British Pharmacopœia to be used in the preparation of tincture of rhubarb in the proportion of $\frac{1}{2}$ oz. to the pint. Mr. Allen adds: "The medicinal value of saffron is now regarded by qualified practitioners as questionable, but the drug is still extensively employed by herbalists and others. It communicates to the tincture of rhubarb its characteristic flavour and colour. As saffron is expensive, the reason for omitting it is obvious. In addition to the omission of the saffron, directed by the British Pharmacopœia to be used, one of the tinctures was notably deficient in extractive matter, which renders it probable, but does not absolutely prove, that it was deficient in strength. The British Pharmacopœia simply prescribes the method of preparing tincture of rhubarb, and gives no tests for its strength or quality. While such obvious duties are neglected by those entrusted with the compilation of the Pharmacopœia, it is of little use to attempt the prevention of adulteration of such preparations through the operation of the Sale of Food and Drugs Act."

The Condry's Fluid Theft.

At the Central Criminal Court on Thursday, before the Common Serjeant, William Brown, aged 30, packer, and John Dare, aged 32, dealer, were indicted for stealing and receiving a quantity of Condry's fluid, value 440*l.*, the property of Condry & Mitchell (Limited). Mr. Humphreys and Mr. Horace Condry prosecuted; Mr. Burnie defended Dare.

Counsel stated that the prosecutors were the manufacturers of Condry's fluid. The present case arose out of the trial and conviction in September in last year of a man named Gillies, who was sentenced to a term of five years' penal servitude for stealing a quantity of fluid belonging to the prosecutors. After his conviction, the man made certain statements, and he was visited by the solicitors representing Messrs. Condry & Mitchell, and by the police. As the result of these statements, which had reference to the disposal of a great portion of the stock belonging to the complainants, the present proceedings were taken against the two prisoners. The convict Gillies had dealt with this fluid, and he became a witness against the two prisoners, with whom was implicated another person named Peace, who had disappeared. The prisoner Brown had been some ten years in the service of the prosecutors, by whom he was regarded as one of their most trusty servants, and every confidence was reposed in his integrity. He had possession of the keys of the warehouse and control of the stock. Amongst other duties, he superintended the sending-out of goods for London deliveries and the country. All orders so despatched ought to have been duly recorded in books kept specially for that purpose. It was the duty of Brown to give the carman who took away the goods an invoice, which would be left with the customer, and a delivery note would be given, which ultimately came back to Brown. The man Peace was also a trusted servant with the

firm, and he had possession also of the keys of the premises. The prisoner Dare, who kept a grocer's and oilman's business in Spencer Street, Goswell Road, trading as "Dare & Co.," described himself as a druggists' sundryman. He was not a customer of the firm of the prosecutors. The allegations against the men were that they, in conjunction with the men Gillies and Peace, had been concerned together in systematically disposing of large quantities of the stock belonging to Messrs. Condry & Mitchell, and in dividing the proceeds of the transactions amongst themselves.

Gillies was called as a witness for the Crown, and he gave in detail the circumstances under which he became acquainted with Brown, and to the proposals which were, so he alleged, eventually made, to get rid of ten gross of Condry's Fluid in one instance, and five gross of Condry's fluid on another occasion. He (Gillies) was paid a commission, by Dare, on the transactions. It was alleged that Dare was also implicated in the practices which were going on. When Brown was taken into custody and charged with the present offence, he denied all knowledge of the man Gillies, and said that he had never heard the name before.

Other evidence having been adduced by Detective-Inspector Davidson, of the City Police, the officer in charge of the case, Mr. Burnie said that the prisoner Dare, acting on his advice, would withdraw his plea, and plead guilty to an indictment respecting a quantity of fluid stolen from Messrs. Condry & Mitchell in the summer of 1892. Amongst other firms whose names were mentioned as purchasers of the fluid were Messrs. Wray & Co., Fleet Street, Butler & Crispe, and Burden & Plumb, Holloway. Brown, in his defence, threw the whole blame for what had occurred on the man Peace, and asserted that he was merely an innocent dupe in the transaction.

The jury, after some deliberation, found Brown guilty, but they recommended him to mercy on they ground that he may have been the dupe of the other men.

Mr. Humphreys said that the other indictments should remain on the file. He did not wish to say anything about Brown further than what had transpired from the evidence. It was obvious, however, that Brown was in a superior position to the man Peace.

Mr. Burnie said that Dare had not derived much pecuniary benefit from these transactions. He had been led into this through pressure.

The Common Serjeant sentenced each of the men to twelve months' hard labour. His Lordship added that he thought that some communication ought to be sent to the Secretary of State with a view to some commutation being made in the term of penal servitude passed on Gillies. He fully endorsed the recommendation of praise of the conduct of Inspector Davidson, of the City Police, for the manner in which he had conducted the case, and said he hoped that the prosecutors would reward him in some practical way.

Irish News.

Belfast Business Changes.

Messrs. James A. Beck & Son, chemical-manufacturers, Tomb Street, Belfast, have purchased the chemical-works of the Messrs. McCleesh, where they will carry on the manufacture of sulphuric acid and bleach. These are said to be the largest works in Ireland of the sort.

Mr. John Shanks, pharmaceutical chemist, late of Messrs. Grattau & Co.'s, has opened a medical hall in Holywood, co. Down, all the fittings being of the handsomest description.

Mr. Wm. Martin, registered druggist, has purchased the business previously carried on by Mr. John S. Palmer, at 163 Old Lodge Road, and has had it refitted. Mr. Palmer has retired from the trade.

State Apothecaries.

Messrs. Hamilton, Long & Co. (Limited) and John Evans Dublin, appear in the current list of Royal tradesmen issued, by the Lord Chamberlain.

Pharmaceutical Society of Ireland—Scientific Meetings.

The third evening scientific meeting was held last week, in the Examination Hall of the Society, when a lecture was delivered by Dr. Rodolph A. C. Burnes, Member of the Pharmaceutical Council, on "Mercury—its History, Preparations, and Applications." The lecturer, having traced the science of metallurgy from its earliest date, discussed the various preparations of mercury, and explained the chemistry of salts which have fallen into disuse, as well as those which are now well known to pharmacists. Numerous experiments were used to illustrate the manufacture of the various salts, and a thorough explanation of the effects of these on the human system was given. The next lecture of the course will be delivered by Mr. H. Conyngham, M.P.S., on the subject of "Dispensing," on Tuesday evening, February 7.

An Australio-Irish Pharmacist.

The Pharmacy Board of South Australia has granted registration as a pharmaceutical chemist to Mr. John Boileau, of Port Pirie, Adelaide. Mr. Boileau is well known in Ireland as the youngest son of the late senior partner of the firm of Boileau & Boyd, wholesale druggists, Dublin.

The President on Tour.

Mr. Hayes, President of the Pharmaceutical Society of Ireland, has left Dublin for a tour of two months in Egypt and Palestine.

Scotch News.

Meeting of Local Secretaries and Local Members of Executive.

Messrs. Strachan (Aberdeen), Tocher (Peterhead), Chalmers, Huntly, and Alexander (Banff) have arranged to meet in Aberdeen on January 14, along with the local members of the Executive, to consider the question of local secretaries in Scotland, which question is at present under the consideration of a committee of the Scotch Executive on remit from the Pharmaceutical Council.

Aberdeen and North of Scotland Society.

The Entertainment Committee, in making arrangements for "the winter meet," propose that one of the ancient landmarks in the Society's calendar should be resuscitated. In making the announcement they say "they have thought it advisable in this, the first revival, to depart from the proposal to invite lady guests. The dinner will thus be confined to members and hon. members." The dinner is proposed to be held in Mann's Hotel on the evening of January 25.

A Dissolution.

It has already been mentioned in this journal that at the approaching May term Mr. R. B. Carruthers and Mr. William Allan, who for thirty-four years have carried on business as pharmaceutical chemists in Dumfries, are to dissolve partnership. We understand, that Mr. Carruthers retires altogether from the Dumfries business, continuing, however, his connection with the Glasgow house of which he is a partner. His son, Mr. Robert Carruthers, F.C.S., from Workington, will occupy the present premises of the firm. Mr. Allan has secured a central shop at 127 High Street, which he will open at "Whitsunday" on his own account, first subjecting it to some structural alterations and fitting it up in modern style. Both partners are gentlemen well known in the trade, and while the formal co-partnership dates only from 1859, they have been actually associated in business for a period of forty years. Mr. Allan has been for a quarter of a century local secretary of the Pharmaceutical Society, and is an enthusiastic pharmacist, and the success attending the business of Carruthers & Allan—the management of which has for a long time rested almost solely on his shoulders—is evidence of his enterprise and energy. Mr. Carruthers has been prominently identified in various capacities with the public affairs of Dumfries and the district. To a wider circle he is known as an enthusiastic sportsman, secretary of

the National Coursing Club and the Border Union meeting, and nominator of the Waterloo winner in the years 1880 and 1886.

Two Lady Doctors.

Drs. Alice Thomson and Emily Moorhead have recently established practices in Dundee.

French Pharmaceutical News.

(From our Paris Correspondent.)

HOMŒOPATHY IN FRANCE.—The French Society for the Propagation of Homœopathy has organised a series of public conferences on the subject. They are to be free, and will be held at the Town Hall of the 9th Arrondissement of Paris every Friday evening at 9 P.M. until further notice.

FRENCH ARMY PHARMACISTS.—The next competition for army pharmacists will be held on November 3, 1893. Candidates must have served for one year in the army, and have had at least two years' experience in a pharmacy. They must be between 23 and 25 years, and must engage to serve for a minimum period of six years from the date of their promotion to the grade of assistant-major pharmacists of the second class. The annual payment commences at 1,000*f*. Successful candidates can choose amongst seven of the leading French towns for residence.

SPRING-WATER IN BOTTLES.—In view of the difficulty experienced by Parisians, at times, in obtaining genuine mineral water, M. L'Hôte, a well-known chemist, is advocating the use of bottled spring-water. He states that the article vended in Paris as mineral water is annually far in excess of what is produced at the wells. In support of his recommendation of pure spring-water for drinking, M. L'Hôte says that a stock of it has been in his cellars for several years. He keeps it properly corked in new wine-bottles, and finds by analysis that it loses none of its properties after a number of years, but remains perfectly limpid and without unusual taste or odour. The only difficulty is that, when sold by unscrupulous dealers, spring-water would offer far more facilities for fraud than mineral waters do at present.

THE PARIS TOXICOLOGICAL LABORATORY.—Considerable attention has of late been attracted to this institution on account of the important task recently confided to it in connection with the analysis of the late Baron de Reinach's viscera. The creation of the laboratory is principally due to Dr. Brouardel, who, while engaged on a scientific mission during 1878 in Germany and Austria, studied the working of the arrangements for toxicological examinations in those countries. On his return to Paris he succeeded, after some trouble, in obtaining the creation of a complete laboratory, to which was added a sort of museum containing a very varied collection of poisons. This laboratory has been in working order since July, 1883; it is situated in the same building as the Prefecture of Police, and next to the municipal laboratory. There are a library and special rooms for chemistry and photography. Dr. Brouardel directs the analytical department, supported by M. Ogier, expert chemist, and two assistants. A certain number of students are also allowed to profit by the facilities offered. From 1883 to the present date, twenty-eight analyses have been made on stains of blood found on the clothes of people suspected of having been assassinated; seventy-three examinations of a variety of substances have been effected, such as products suspected of having occasioned poisoning, pharmaceutical preparations, explosive substances, vitriols, &c. The analyses of the viscera of persons poisoned or suspected of having been poisoned number fifty-seven. Fifty per cent. of the total have confirmed the suspicions of the police, while analyses of the viscera have alone given 42 per cent. of positive results. The greater part of the poisonings followed by death result from accidents, errors, or suicides. Errors with medicines are somewhat frequent with opium and its derivatives; while of all poisons arsenic is still the most employed by criminals. Generally, however, it appears, from statistics published by the French Minister of Justice, that murders by poisoning are on the decrease here.

AUSTRALASIAN NEWS.

THE following notes on Australasian pharmaceutical matters are based upon information contained in the December issue of *The Chemist and Druggist of Australasia*:—

PHARMACY BOARD V. GOVERNMENT IN NEW SOUTH WALES.—The New South Wales Pharmacy Board and the Government of the colony are at loggerheads over what seems to be rather a high-handed act of the last-named body. A charge had been brought against a registered chemist of refusing a local policeman (with whom the chemist appears to have been on terms of personal enmity) to inspect his poisons-book. Dr. Manning, the Government Medical Adviser, thereupon got the authorities to strike the chemist's name off the register, without in any way consulting the Pharmacy Board. The Board protested, and brought the matter before Sir George Dibbs, the Premier, with a request for an interview. The request was declined on the ground that such an interview "could not improve the case," and the Board, offended by this last refusal as well as by the ignoring of their existence in the first instance, have now repeated to the Government their request for an interview. Several of the members have expressed their determination to refrain from attending any future Board meetings unless the interview be conceded.

QUEENSLAND WANTS A PHARMACY ACT.—Steps are being taken in Fremantle to get a proper Pharmacy Act. At a first meeting, held under the presidency of Mr. Mayhew, it was decided to wait on the Premier and urge the claims of pharmacy. The committee includes the well-known names of H. J. Poole (treasurer), E. Parry, and M. Maughan. The South Australian Pharmacy Board is sending copies of Acts and by-laws for the guidance of their Queensland brethren.

STRYCHNINE AGAINST SNAKE-BITE.—The strychnine-cure for snake-bite has been tried successfully in Tasmania recently. A large tiger-snake, nearly 5 feet long, bit a man on the back of the right hand. The bitten one rode a distance of seven miles, and then had 20-drop doses of Dr. Müller's strychnine solution injected subcutaneously, about half an inch from the bite. The same amount was again injected in half an hour's time. When the strychnine was first injected the man was unable to stand alone, and reeled about as if he were drunk. Two hours afterwards he could walk alone, and gradually improved; but he was not allowed to go to sleep for twenty-four hours.

WILD LAVENDER IN SOUTH AUSTRALIA.—Mr. A. Wilcock, of Currency Creek, has sent to Adelaide specimens of a plant which he says has taken possession of several acres of land in the neighbourhood of Black Swamp. It has been identified as *Lavendula Stoechas*, "topped lavender," valuable for oil-production, and one of the best plants for stopping sand. It keeps in flower five months, is good for bees, which produce immense quantities of honey of splendid flavour from it. As the plant seeds profusely it soon covers sandy soil with a thick growth, and gives good opportunity for steady work in distillation. It is hoped that someone will start a distillery in this neighbourhood.

A PIONEER LADY DENTIST.—Miss Jessie Cox, daughter of Mr. E. Cox, dentist, of Auckland, successfully passed the dental examination held at Dunedin last month. Miss Cox is the first lady dentist in New Zealand.

AUSTRALIAN CAMPHOR.—The New South Wales Forest Department have sent one hundred plants of the camphor-laurel to the Gosford Nursery, with a view to the propagation of this useful tree in the colony.

OPIMUM SMUGGLED IN TEA-CHESTS.—The recent removal of the tea-duty in New South Wales has given opium-smugglers an opportunity of which they have not been slow to avail themselves. Opium is still very heavily taxed, but tea-chests are now presumably subjected to a very perfunctory examination only. Quite recently it was found that a half-chest broken open by a Customs official contained a 12-lb. box of opium (duty 12*l*.), upon which the whole shipment of 60 half-chests was seized. In 24 of them tea and opium were found, while 30 contained tobacco pure and simple. A quantity of un-Customed opium was likewise found on

three Chinamen coming off the steamer *Taiyuan*. The Celestials were arrested.

CYANIDE OF POTASSIUM IN MINING.—Cyanide of potassium is now being imported largely into New Zealand for use in the extraction of gold from refractory ores, especially in the Thames district. The duty is 15 per cent., and the Government having been asked to remit this tax when the cyanide is used for mining purposes have agreed to do so. How they are to distinguish between cyanide for photography and for mining purposes does not seem clear.

Foreign and Colonial News.

JEWISH PHARMACIES IN ST. PETERSBURG.—It is reported that the Russian authorities have decided to reduce considerably the number of pharmacies under Jewish proprietorship in St. Petersburg.

A DYNAMITED PHARMACY.—The shop of Pharmacist Don Vict. Gómez Salazar, at Quintana, Martingalindez, in Spain, was partially wrecked on the evening of December 20 by the explosion of a dynamite cartridge placed in the room—it is thought by a political opponent of Sr. Salazar. Much damage was done, but the inmates of the house escaped unhurt.

FIRE IN A HAMBURG CHEMICAL-FACTORY.—The essential-oil and chemical works of Mr. F. Fritzsche, in Hamburg, were destroyed by fire this week. It is believed that the accident originated through a quantity of oil, which was being heated in a large container, catching fire. Within a few minutes from the commencement the flames completely gutted the building. The danger was increased by the circumstance that in the building next to that where the fire was raging there was a large tank filled with ammonia under 30° atmospheric pressure. The fire was fortunately confined to the building in which it originated. The damage is over 100,000m.

DEATH OF A YOUNG CHEMIST.—The death is reported under sad circumstances of Mr. William J. Smythe, aged 26, analytical chemist in the laboratory of Meyer Brothers Drug Co., St. Louis. On November 22 last his body was discovered in the room which he occupied at 2,346 Olive Street, by the janitor of the premises, lying face downwards on the bed, the face pressed into a feather pillow, hands holding against the nostrils a handkerchief which had been saturated with chloroform. The Coroner returned a verdict of suicide; but it is supposed by his friends that Mr. Smythe accidentally took an overdose of the chloroform to subdue a severe nervous headache, from which he is known to have been suffering at the time. Deceased was a Canadian, and was for six years in Parke, Davis & Co.'s laboratory previous to coming to St. Louis. He was a clever young fellow, and had published the results of several original investigations, the last being one on the absence of strychnine from *nux vomica* bark.

U.S.A. TRADE-MARKS.—The following were registered at Washington on December 27, 1892:—Signature of the applicant, for blackberry tonic, Ernst, Altschul, Cleveland, Ohio; "Elixir metrans," for medicinal tonics, Allaire, Woodward & Co., Peoria, Ill.; "Ricealine," for dentifrices, H. B. Fould, New York City; "Harvard Cement" on shield device, for tooth-filling, R. Richter, Philadelphia; "Old Reliable," for eye-water, The John R. Dicky Drug Company, Bristol, Va.; "No. 1 Perfection Skin-food," for skin ointment or cream, George Wagner, Washington, D.C.; "Thymolytol," for antiseptics, Allaire, Woodward & Co., Peoria; "Tolypyrin," for antipyretics, Lehn & Fink, New York City; "Kresin," for antiseptics, Schering & Glatz, New York City; "Stomis," for a liver and stomach remedy, J. S. Robinson, Memphis; "Lanota," for dermal preparations, curling-cream, hair-tonic, tooth-powders, &c., Jennie A. Maxim, Pittsfield, Mass.; "P D Q," for gonorrhoea-remedy, H. W. Crolley, Cincinnati, Ohio; "Cherry Tar," for cough, &c., remedy, E. C. Marshall, Boston, Mass.; "Red India Oil," for neurotic, &c., remedies, C. Nehls, Cleveland, Ohio.

MINERAL WATERS IN BOSNIA.—Among the first mineral-water springs in Bosnia are those of Banjaluka and Ilidze.

The latter station is about a dozen kilometres distant from Serajevo, and possesses a sulphurous water of a temperature of about 31°. Although often insufficient in quantity, it is beneficial in skin-diseases and chronic rheumatic affections. The springs of mineral waters which are used for exportation are Kisseljak and Guber. Others, such as those of Trbuk and Draganja, are only worked in view of local consumption. The establishment of Kisseljak is situated about 35 kilometres distant from Serajevo; it receives from 600 to 700 patients yearly. The water is alkaline, and contains principally a salt of iron, bicarbonates of lime and magnesia, with a proportion of 18 per cent. of carbonic acid. About 30,000 bottles are used in Bosnia. Only 500 bottles were exported in 1890, and 800 in 1891. The Güber water is of recent discovery; the Mattoni firm has received the concession for it. The water is ferruginous and arsenical; the new spring has begun to rapidly create a name for itself and to secure a good market. It is keeping up a keen competition with the rival springs of Levico and Roncegno; the doctors of the monarchy prescribe it for anæmia, chlorosis, scrofula, skin-diseases, &c. In 1890 100,000, and in 1891 118,000 quarter-litre bottles were exported.

DANISH CHEMISTS' ASSISTANTS.—The "Chemists' Assistant" question is a burning one in Denmark. The members of the Danish Chemists' Assistants' Association have just instructed their Executive to address a petition to the Legislature of the country and to the Minister of Justice, urging the necessity of several reforms in pharmaceutical legislation. In Denmark the "concession system" still obtains, and the number of qualified assistants who have no hope of ever becoming their own masters, for lack of money or influence wherewith to secure a concession, is alarmingly high. The assistants apparently stop short of demanding the abolition of the concession system, but they formulate half-a-dozen other demands, some of which appear to be much less defensible from an ethical standpoint. They demand, for instance, that an age shall be fixed by law at which pharmacists shall be compelled to retire from business, that the proprietor of a business shall be forced to keep a staff of assistants proportionate to his takings, and that the law shall fix a progressive scale of salaries to be paid to assistants who have served a certain number of years. The other demands are the abrogation of the right of a chemist's widow to continue the business after the death of her husband, the abolition of branch-shops, the prohibition of subletting concessions, the establishment of a pension-fund for disabled chemists and for the widows and minor children of pharmacists, and the representation of assistants on the Pharmaceutical Board of Control.

TRADE-MARKS APPLIED FOR.

ANY person who has good grounds of objection to the registration of any of the following marks should at once communicate with Sir Reuter Lack, Comptroller-General, at the Patent Office, 25 Southampton Buildings, Chancery Lane, London, W.C.

(From the "Trade Marks Journal," January 4, 1893.)

•LYNO, for chemical substances used in medicine and pharmacy. By H. J. Turnbull, jun., 27 Herrington Street, Sunderland. 168,473.

Signature of applicant; for proprietary medicines. By Edwin Burgess, jun., 59 Gray's Inn Road, London. 168,647.

•POLITICAL; for toilet-soap, perfumery, and toilet articles. By F. S. Cleaver & Sons, Red Lion Street, Holborn, London. 168,360.

•TOP O' THE MORNING, and "TALK O' THE NIGHT"; for perfumery. By Blyton, Astley & Co., 74 and 76 Gordon Street, Lower Broughton, Manchester. 168,906, 168,907.

THE *Therapeutic Gazette* thinks that camphor is going out of use as a therapeutic agent, and considers that this should not be, for it is a valuable remedy in many instances.

Pharmaceutical Society of Great Britain.

COUNCIL MEETING.

ON Wednesday morning, at 11.20, sixteen members assembled in the Council Chamber, 16 Bloomsbury Square, the absentees being Messrs. Abraham, Grose, Johnston, Schacht, and Storrar. The SECRETARY having read the minutes of the December meeting, they were confirmed, and Mr. Bremridge added that he had received a letter from the Privy Council approving of the appointment of the gentlemen elected last month as members of the Boards of Examiners.

THE HANBURY LIBRARY.

In a letter received from Mr. Thomas Hanbury, acknowledging the vote passed at last meeting in respect to the late Daniel Hanbury's books, it was suggested that a suitable inscription should be placed on each book, as the Library at Kew had done. This suggestion, the PRESIDENT explained, had been anticipated by the Library, &c., Committee.

ELECTIONS AND RESTORATIONS.

The beginning of the year was marked by the restoration of a large number of lapsed members, and the election of more persons to membership, associateship, and studentship. A lady and several gentlemen were granted diplomas as pharmaceutical chemists, and Mr. S. Fothergill, Douglas, Isle of Man, and Mr. P. W. G. Tealing, 7 Ewart Terrace, Rokeby Street, Liverpool, were restored to the register of chemists and druggists.

FINANCE.

The committee reported a balance of 2,280*l.* 2*s.* 7*d.* on the general fund account on December 31. This arose from the following figures:—Balance on November 30, 1,185*l.* 1*s.* 4*d.*; received during December, 1,919*l.* 10*s.* 8*d.*; and paid out, 824*l.* 9*s.* 5*d.* During December 155*l.* 12*s.* 2*d.* was also received on account of the Benevolent Fund, and 91*l.* 6*s.* was paid in casual grants, &c., leaving a balance of 772*l.* 15*s.* 5*d.* at the end of the year. The balance on the donation account was only 9*l.* 7*s.* 6*d.*, but 30 guineas had been received during the month, and, with the balance then in hand, enabled the Council to buy 150*l.* of Consols. The Orphan Fund money, now nearly 1,300*l.* owing to the Bremridge and Robbins payments, was also set aside for investment in Consols. The committee recommended various payments amounting to 2,185*l.* 19*s.* 2*d.* to be made from the general fund. This included a lawyer's bill of 342*l.* 8*s.* 3*d.* for the last six months of 1892.

The PRESIDENT, in moving the adoption of the report, said that the income had been derived chiefly from examination-fees, and partly consisted of money from the sale of registers and Calendars. The only bill of any consequence was the lawyer's, but it represented good work done over a period of six months, and he took it that as long as that meant the enforcement of the provisions of the Act in the best way, the Council did not object. The balance of 772*l.* on the Benevolent Fund should not be taken as unhealthy, for the payments of annuities, which would be ordered that day, must be made out of it. He did not believe in the accumulation of money paid in respect of charity, but at the same time he wished to say that he thought the committee had been extremely prudent, yet liberal, during the past year. Referring to the donations, the President said that five guineas had been received from Messrs. Smith, of the Borough, and twenty guineas from the Worshipful Company of Salters. The latter donation was really due, he understood, to the action of Mr. Arthur S. Hill, an old auditor of the Society, who, as a member of the Salters' Company, had influenced the donation. (Hear, hear.)

After some further remarks the report was adopted, as was also a motion to seal the document authorising the sale of the Robbins gas stock.

ANNUITANTS.

The Council authorised the payment of a quarter's annuity up to Lady Day next to the annuitants. In this connection the PRESIDENT remarked that many members had,

unsolicited, sent their subscriptions to him instead of to the Secretary, they taking this as an opportunity to express their satisfaction with the increase in the annuities, and some said, "Go on." This was to show that the action of the Council was wise.

BENEVOLENT FUND.

Eight cases were considered and one only was not entertained. The majority of the others were unsuccessful annuity candidates. Two grants of 15*l.* each, one of 12*l.*, two of 10*l.* each, and one of 5*l.* were recommended, and in the case of a young widow, whose case had been considered last month and 20*l.* then provisionally mentioned, it was stated that a stock suitable for starting her in business as a dress-maker had been bought for her, and the balance was retained by the Secretary to hand over as she required it.

The VICE-PRESIDENT, in moving the adoption of the report, said that they started the year well by giving a good deal of money away, but he hoped that subscribers would give the Council such support that they would be able to keep up this policy throughout the year. In connection with the young widow's case, he mentioned that they had an example of devotion on the part of a chemist's assistant in the town where the lady resided, and who had gone to much trouble to assist her in purchasing the stock. This was the second time that he had to mention such services rendered to the Benevolent Fund Committee, and he trusted that they would always have similar assistance offered by local men when the occasion arose.

The report was received and adopted.

LIBRARY, SCHOOL, &c.

The Librarian, Curator, and school staff had reported to the committee on their departments.

The committee recommended that certain fittings should be placed in the old examination-room in order to make it suitable for the histological work of the botany and materia medica classes, for which purpose it has been used for some time back. The details of the plan did not transpire.

It was also recommended that Mr. E. F. Harrison, demonstrator of the Research Laboratory, should be appointed assistant lecturer in chemistry without stipend.

Further, that two additional blackboards should be procured—one for the names of donors of 21*l.* or upwards to the Orphan Fund, and the other for the names of those who made special donations to the Society.

The PRESIDENT referred to the items of the report, and said that Mr. Harrison was a former distinguished student of the School. The compliment of "assistant lecturer" now bestowed on him was a title which was much valued by old students.

Mr. BOTTLE asked, in regard to the new histological arrangements, if the twenty or thirty lamps were to be used daily: if so, it might be cheaper to put in gas.

The PRESIDENT said the details would come up later on, and further, in reply to Mr. Southall, said that the room was now called the Reference Museum.

This report also was adopted without further comment.

LOCAL SECRETARY FOR MANCHESTER.

The PRESIDENT announced with considerable regret that Mr. F. B. Benger could no longer, owing to his business engagements, act as local secretary for Manchester. There had been a good deal of activity in that city lately, and a good deal of misapprehension as to what the Council could do in providing assistance to local secretaries. What they had done in Birmingham and in Liverpool was to appoint an assistant when they were asked to do so. They were conscious that personal local effort on the part of a secretary was attended with far greater benefit than sending out a person who was not an officer of the Society. Mr. Benger had felt this for a considerable time. They had consulted Mr. Benger and other Manchester gentlemen, and, as a result, he proposed that Mr. Harry Kemp, of Stratford Road, should be appointed to the office pending the next election. Mr. Kemp was an energetic man, in every way well qualified to represent Manchester, and, he thought, enthusiastic enough in regard to the Society to give the time necessary for the work. Those who had least time were those who did most work for the Society. (Hear, hear.) He believed that Mr. Kemp would be loyal to the Society, and that he would get the

members together regularly, big though Manchester was. (Hear, hear.) The difficulty that often presented itself to local secretaries was how far they should subordinate their own opinion to the action of the Council. He should say in regard to that that the Council had no desire for any man to give up his conscientious opinions; all that they asked was that, in the case, say, of Parliamentary proceedings, the secretaries should support the Council by taking round petitions, or in any other similar manner. They knew that one of Mr. Kemp's special characteristics was his activity, and he trusted that he would retain that and accept the office for which he now proposed him. He (the President) regretted that men of such calibre as Mr. Bengier should not act officially for the Society. He, perhaps, ought not to propose a vote of thanks to him for his long services, as he might possibly be nominated for the Council, seeing that there was a talk of having a member for Manchester. (Applause.)

Mr. HAMPSON, as one hailing from Manchester, had the kindest remembrances of Mr. Bengier, and he was sure that the work which had been done in that city would not have been accomplished had it not been for the magnetic influence of Mr. Bengier in bringing the local Association together. In Mr. Kemp they would have a good officer in his place. He hoped that Mr. Bengier would be at the Council-table ere long. His great business experience would be invaluable to them.

Mr. ATKINS congratulated the Council on the selection of Mr. Kemp, whom he knew as an extremely able and efficient man. He hoped that in the letter which would be addressed to him they would say that they would consider any suggestion which he might make in regard to assistance. It was impossible for one man to cover such a populous district as Manchester. (Hear, hear.)

Mr. JOHN HARRISON said that Mr. Bengier's retirement pointed the moral that they should not wait for men retiring because of their district being too large, but that they should anticipate that action by dividing the existing districts. He thought that the time had come when they ought to do that, and he would take an early opportunity of bringing the matter before the Council. He further suggested that while local secretaries were going round for subscriptions they should bring the claims of the Orphan Fund before subscribers.

Mr. RICHARDSON agreed that the matter of dividing the country further should be seriously considered, and suggested that the Parliamentary divisions should be followed. Assistant secretaries were not enough. They wanted in every Parliamentary division secretaries who had loyalty to the Society at their hearts, and who were liked by their fellow-chemists. Such men would assist them greatly in Parliamentary matters, and he hoped that the suggestion would be considered between now and December, so that they might proceed at the election then upon a new basis—namely, to have a secretary for each division of large towns.

Mr. HILLS thought that in dealing with the subject they should call the local secretaries together and hear their opinions, and, generally, consider how they should act.

The VICE-PRESIDENT hoped it would not go forth that they were not considering this matter at all. They had considered it often in committee, and had always acted in deference to local feeling. At present the large towns were represented according to by-law, and they could not ruthlessly change without consulting their constituents. Mr. Harrison's suggestion was, however, a direct challenge, and he hoped that it would result in a free expression of opinion on the part of those immediately concerned.

Mr. ALLEN said that this was not a new subject by any means. As the Vice-President had remarked, it had been considered by the Council on many occasions during recent years. His feeling was that the help which local secretaries could render the Society depended upon the nature of the men who were secretaries, and not so much upon the size of the districts over which they were appointed. The divisional secretaries of London had larger and more difficult districts to work than were the large provincial towns. In London there was not that acquaintance amongst chemists which existed in the country, nor did the desire for acquaintance exist. He was not opposed to any scheme for more thorough

representation, but he thought they should have some show of desire for change on the part of local secretaries themselves.

The PRESIDENT suggested that the members should pass the motion in regard to Mr. Kemp, and he put matters in order by expressing

HIS OWN OPINION.

This was done. Mr. Carteighe then said that the Council was prepared to do all that it could to facilitate intercommunication. The real difficulty was that as a Council they could do nothing without enthusiasm amongst the members themselves. They wanted them to manage their own affairs. There was a great deal of misapprehension as to the Council's attitude. It was wrong to say that the Council had no sympathy with the members. It was for Mr. Harrison, Mr. Thompson, Mr. Kemp, and others who advocated a rearrangement to bring the trade in their districts together, and to formulate definite views; but where this was not done it was very difficult for the Council to do anything. What was wanted was to open the eyes of those outside the Society as to what the work of the Council is. Any one man, whether in a small town or large, could do much in that direction; but it was not for the Council to devise a policy: that was for the towns, and it must come by intelligent local opinion. The secretaries should point out, when on their rounds, that there is no opposition between the Society and those outside its ranks. The function of the Council was to carry out the responsibilities imposed upon the Society by the Pharmacy Act, whether they liked it or not; and if that was not done in a proper way, they, as the trustees of the public, would soon have notice to quit from the Privy Council or from the Legislature. If good was done for members of the Society by the action of the Council under the Act, the same amount of good must, *pari passu*, be done to chemists and druggists who were not connected with the Society. (Hear, hear.) He had observed that at local meetings various suggestions had been made in regard to legislation; but the first principle in that was for chemists to agree amongst themselves as to what they want. He had failed to see that they did. Whether in public or private conference, a vigorous effort should be made to agree upon a common basis. The Council represented the craft only to that extent. (Applause.) Speaking of the suggestion regarding the Orphan Fund, the President added that they only desired additional subscriptions. They had no wish for what was given at present to the Benevolent Fund to be transferred to the Orphan Fund. (Hear, hear.)

MISCELLANEA.

Mr. Mailer was appointed local secretary for Gateshead.

On the motion of the PRESIDENT, a vote of condolence with the widow of Professor Leon Soubeiran was passed. The resolution was seconded by Mr. WALTER HILLS, who spoke of the many excellent personal qualities and professional accomplishments of the late professor, whom he ranked as a friend.

The Board of Examiners were authorised to accept a certificate from a Baden Board of Examiners in lieu of the Preliminary.

An invitation to the President and Council to send delegates to the International Medical Congress at Rome, September 24–October 1, had been received, and the PRESIDENT mentioned it so that some members might consider whether they would go or not. Mr. BOTTLE asked him if he would be able to return from the Rocky Mountains in time to attend it. "That's dubious," said Mr. CARTEIGHE, with a smile.

EXAMINATION RESULTS.

The SECRETARY reported as follows regarding the meeting of the London Board:—

	Examined	Passed	Failed
Major	33	12	21
Minor	186	63	123
Modified	1	0	1

Twenty-three certificates were accepted in lieu of the Preliminary examination.

The Council then took up the General Purposes Committee's report, which is always a private affair.

JANUARY EXAMINATIONS.

WE have received from the Registrar the following list of candidates who were granted certificates at the January meeting of the London Board of Examiners:—

MAJOR.

Crawshaw, George, Skipton-in-Craven	Johnson, Herbert Mellor, Great Malvern
Dwelly, Hadley Egbert, Maidstone	Jones, Walter Herbert, Aberlare
Eynon, Chas. Edwd. Jenkins, Leamington	Littlefield, William Henry, Ventnor
Fielding, William Robert, Halifax	Rhodes, Thomas George, Keighley
Gibson, Mary, London	Walkington, Richard, Church Fenton
Howard, Arthur, Ely	Wells, Arthur John, Lincoln

MINOR.

Akerman, William Joseph, London	Maulder, John Hannaford, Teignmouth
Barnes, Joseph Herbert, London	Monk, Alphonso Theodosius, Ackerington
Bartlett, Percy John, London	Moore, Clifford Bond, King's Bromley
Belton, Ernest Reynolds, Lee	Newcome, John, Grantham
Blaney, Charles Austin, London	Norwood, John Percy, Doncaster
Blankley, Frank Ferniough, Arnold	Noyes, Edward Thomas, Wokingham
Burdett, Edgar, Nottingham	Oatley, Frederick, Chaley
Butcher, William Henry, London	Pearce, John Hammond, Withington
Carter, William Henry, Sunderland	Perkins, Catherine Susan, Birmingham
Clark, Alexander, Norwood	Richardson, William Edward Henry, Romsey
Clugstone, William, Castletown	Rive, Percy, Jersey
Clyde, Solomon Alfred, London	Roberts, William Griffith, Llanfairfechan
Coupland, Henry Stuart, Bootle	Robinson, Charles Holmes, Loftsin-Cleveland
Dangerfield, Walter John, Leamington	Salmon, Thomas William, Stockton-on-Tees
Davis, Ellis Jones, March	Saunders, William John, Strood
Douthwaite, Harry Fryer, Charlbury	Schollar, Newman Howard, Grimsby
Dyer, Charles Stanley, London	Shields, William Thomas, Alsager
Fairman, Charles Robert, Kennington	Smith, George Frederick, London
Fowke, William Francis, Stafford	Spencer, George Herbert, Bawtry
Freeman, Thomas, Beverley	Stafford, Albert Edward, Nottingham
Gatehouse, William, London	Stephens, Frank Robert, Clevedon
Gostling, Ernest, Diss	Thompson, James Atkinson, Middlesborough
Gough, John Henry, Buckingham	Walter, Frank Henry, Southampton
Grindley, Thomas Foulkes, Mold	Wark, David Sawyers, Lincoln
Hampton, George, West Bromwich	Wass, Charles, Wellingborough
Hellens, George, Totnes	Winterbottom, Arthur, Batley
Hodgson, John George, York	Woods, Joseph Francis, Liverpool
Johnson, Thomas, Bilston	
Johnston, John, Carlisle	
Johnstone, James, Carlisle	
Jones, Henry John, Pontypriid	
Jones, Lewis, Aberlwey	
Jones, Thomas Walter, St. Asaph	
Leighton, William Nicholls, West Kirby	
Lewis, John, Llandoverly	
Lewis, William Spencer, Farnham	

One Modified candidate was examined, and failed.

FIRST OR PRELIMINARY EXAMINATION.

THE following are the questions set on Tuesday, January 10, 1893:—

LATIN.

(Time allowed—from 11 A.M. to 12.30 P.M.)

I. For all candidates. Translate into Latin:—

1. The Gauls were conquered by Caesar.
2. Take care that you keep well.
3. There were some who left the city.
4. It was rashly said that all wise men are good.
5. For accomplishing these things, Orgetorix was chosen.

II. Translate into English either A (Caesar) or B (Virgil).

(Candidates must not attempt both authors.)

A. CAESAR.

1. Ubi per exploratores Caesar certior factus est tres jam copiarum partes Helvetios id flumen transduxisse, quantum vero partem citra flumen Ararim reliquam esse, de tertia vigilia cum legionibus tribus e castris profectus, ad eam partem pervenit, quae nondum flumen transierat. Eos impeditos et inopinantes aggressus, magnam eorum partem concidit; reliqui fugae sese mandarunt atque in proximas silvas abdidierunt. Is pagus appellabatur Tigurinus; nam omnis civitas Helvetia in quatuor pagos divisa est.

2. Itaque se, quod in longiorem diem collaturus esset, repraesentaturum, et proxima nocte de quarta vigilia castra moturum, ut quam primum intelligere posset, utrum apud eos pudor atque officium an timor valeret. Quod si praeterea nemo sequatur, tamen se cum sola decima legione iturum, de qua non dubitaret; sibi quae eam praetoriam cohortem futuram. Huic legioni Caesar et indulserat praecipue, et propter virtutem confidebat maxime.

Grammatical Questions.—For those only who take Caesar.

1. Decline in full (singular and plural) *id flumen* and *omnis civitas*. (Paragraph 1.)
2. Give the third person singular of the Indicative Perfect, and the Present Participle, of all the verbs in Paragraph 2.
3. Write in Latin—23, 19th, 2,000, 3,000 *men*, *three each*, *twice*, *eight times*.
4. Give the meanings of the following prepositions, and write sentences showing by what cases they are followed:—*inter*, *ex*, *cum*, *per*, *sub*.

B. VIRGIL.

1. Hic jam ter centum totos regnabitur annos
Gente sub Hectorea; donec regina sacerdos,
Marte gravis, geminam partu dabit Ilia prolem.
Inde, lupae fulvo nutriceis tegmine lactus,
Romulus exepiet gentem, et Mavortia condet
Moenia, Romanosque suo de nomine dicet.
His ego nec metas rerum nec tempora pono;
Imperium sine fine dedi.
2. Constitit, et lacrimans, Quis jam locus, inquit, Achaë,
Quae regio in terris nostri non plena laboris?
En Priamus! sunt hic etiam sua praemia laudi;
Sunt lacrimae rerum, et mentem mortalia tangunt.
Solve metus; feret haec aliquam tibi fama salutem.
Sic ait, atque animum pictura pascit inani,
Multa gemens, largoque humectat flumine vultum.

Grammatical Questions.—For those only who take Virgil.

1. Decline in full (singular and plural) *locus*, *rerum*, *flumine*. (Paragraph 2.)
2. Give the third person singular of the Indicative Perfect and the Present Participle, of all the verbs in Paragraph 1.
3. Write in Latin—23, 19th, 2,000, 3,000 *men*, *three each*, *twice*, *eight times*.
4. Give the meaning of the following prepositions, and write sentences showing by what cases they are followed:—*inter*, *ex*, *cum*, *per*, *sub*.

ARITHMETIC.

(Time allowed—from 12.30 P.M. to 2 P.M.)

The working of these questions, as well as the answers, must be written out in full.

1. Express in words how much greater the value of one 5 is than that of the other in 658,457.
2. Simplify $\frac{371-1908}{22-\frac{74}{33}}$.
3. Reduce 1 ton 8 cwt. 3 qrs. 17 lbs. to the fraction of 3 tons.
4. What decimal fraction of 1l. must be added to 06 of 8l. 6s. 10½d. that the result may be 15s.?
5. A room for 30 men is 73½ feet long and 24½ feet broad; how high should it be to allow each man 1,000 cubic feet of space?
6. Give, approximately, the English equivalents of 2 hectares, 1 kilogramme, 3 kilometres, 7 litres.
7. A grocer has two kinds of tea. By selling the first at 375s. per lb. he gains 25 per cent., and by selling the second at 35s. per lb. he gains 40 per cent. If he mix them in equal quantities, and sell the mixture at 3625s. per lb., find his gain per cent.

ENGLISH.

(Time allowed—from 3 P.M. to 4.30 P.M.)

I. Analyse:—

"He that filches from me my good name,
Robs me of that which naught enriches him,
And makes me poor indeed."

2. Parse fully:—

"Right sharp and quick rang out all night the bells from Bristol town."

3. Correct the following sentences, giving your reasons:—

- (i.) He was one of those persons that have a kind of reverence for his superiors.
- (ii.) The shop is managed by a cousin of the owners.
- (iii.) He does not excel his brother in either reading, writing, or arithmetic.

4. In the following passage supply the necessary capital letters, and put in the stops and inverted commas where necessary:—

suddenly the door opened and the dingy head of mr bloomfield looked in all very quiet here what are you doing said he no harm to-day at least thought i but he was of a different opinion advancing

to the window and seeing the childrens occupations he testily exclaimed what in the world are you about?

5. Write a short composition on one of the following subjects:—

- (i.) Colonisation.
- (ii.) A man is known by his company.
- (iii.) Little strokes fell great oaks.
- (iv.) The social condition of the people of England during the Tudor period.

Pharmaceutical Society of Ireland.

THE monthly Council-meeting was held on January 4, at 3 P.M. Present: Mr. William Hayes (President), Mr. Beggs (Vice-President), Messrs. Wells, Evans, Lyons, Downes, Conyngham, Simpson, Merrin, and Professor Tichborne.

THE GOVERNMENT VISITOR'S REPORT ON THE EXAMINATIONS.

A discussion took place on the report of Dr. G. Duffey, the Lord Lieutenant's visitor, which was published last month.

The PRESIDENT directed attention to Dr. Duffey's reference to the existing system of marking for the Preliminary examination, and stated that of thirty-one candidates who had come in under the new regulations, eight failed to secure the required percentage (50) in English, five in weights and measures, and one in both arithmetic and weights and measures. These fourteen candidates, however, had been allowed to pass the examination under the provision in the regulations that "should a candidate's general information and intelligence entitle him in the examiner's judgment to pass, although he may not in some one subject have attained the standard laid down, the examiner is at liberty to pass him subject to the ratification of the Council." Dr. Duffey presumed that that ratification had been given in each of the fourteen cases, and said that in at least one half of them there seemed to him to have been adequate reason for such leniency.

Mr. WELLS said the candidates were announced in the daily papers as having passed before the members of the Council saw their marks at all.

The PRESIDENT directed attention to another passage in the report, in which Dr. Duffey said it was undesirable that the Preliminary examination should be conducted by a single examiner.

Mr. WELLS: I had several conversations with Dr. Duffey about this report, and I think we should consider whether we ought not to appoint a second examiner.

Mr. SIMPSON: It would be more satisfactory to have two examiners.

The PRESIDENT: It would involve an increase in the examination-fee. I think it would be desirable to have the subject considered by a committee.

Mr. WELLS moved that the question be referred to the House and General Purposes Committee.

Mr. CONYNGHAM seconded, and the motion was agreed to.

The PRESIDENT read the part of the report relating to the Licence examination, in which it was stated that 85 per cent. of the candidates who presented themselves during the year had passed, being the highest standard attained during the seven years that the examinations had been reported upon, and he (Dr. Duffey) believed the highest since the incorporation of the Society in 1875. He (the President) thought that the report, on the whole, was a satisfactory one. There was just the one point about the candidates who should not have been passed without the consent of the Council. They should take steps that in future no candidate whose answering was of a similar character should be accepted without the Council going into the matter.

Mr. WELLS: I suggest that a letter should be written to the examiners directing their attention to the regulation, and pointing out that when they think such candidates should be accepted they must report their reasons to the Council before passing them.

NOTHING FROM THE EXAMINER.

The PRESIDENT: Part of our reason at the last meeting for putting off the consideration of Dr. Duffey's report until to-day was that the examiner might be able to see the report

in the journal satisfactory answer and be enabled to give a to the strictures of Dr. Duffey. You have heard nothing from the examiner, Mr. Ferrall?

The REGISTRAR: No, sir.

NOT ABLE TO ATTEND.

A letter was received from Mr. Turkington apologising for not being able to attend the Council-meeting in consequence of a family bereavement.

SOME FORMAL MODIFICATIONS.

A letter was received from Sir William Kaye suggesting some formal modifications in the form of three regulations adopted on the motion of Mr. Wells at the meeting of the Council on December 7.

Mr. WELLS moved the adoption of alterations to meet the wishes of the Privy Council.

Agreed to.

The amendment was made as indicated in the following regulation:—

That on and after January 1, 1893, each candidate for the Pharmaceutical Licence examination shall, when making application to be examined, accompany such application with a statutory declaration, made and signed by the applicant, in addition to that required by Rule 2 or 3, that he has served a term as apprentice or assistant as required by Pharmaceutical Licence examination regulation No. 3.

CERTIFICATES.

The Certificates Committee next submitted a report, on which a long and heated discussion, principally between Mr. Wells and the President, occurred in reference to the acceptance of a certificate.

APPOINTMENT OF EXAMINERS.

On the motion of Mr. EVANS, seconded by Mr. LYONS, Surgeon Evans, Dr. Whitla, and Dr. Atkins were re-elected examiners to conduct the Registered Druggists' examinations at Dublin, Belfast, and Cork.

THE ASSISTANTS' EXAMINATION.

Mr. DOWNES moved the following resolutions:—

That it is desirable that the Assistants' examination should be recognised as part of the Licence examination.

That the "Subjects of examination," as at present required for the "Assistants' examination," be substituted for that under "Practical Pharmacy" in the "Licence examination" (*vide* page 106 of *Calendar*, 1892).

That the fees for the Licence may be paid as follows:—2l. 2s. on entering for "Assistants' certificate," 3l. 3s. on entering for the final or Licence examination.

That the examiner in "Practical Pharmacy," shall recommend or refuse the certificate of qualification to act as assistant.

That the regulations be altered accordingly, and that the change come into effect at the expiration of the current year's appointment of examiner "for qualification of assistants to pharmaceutical chemists."

Professor TICHBORNE: At this late hour it would be impossible to discuss these resolutions, which involve important questions.

On the motion of Mr. CONYNGHAM, seconded by Mr. EVANS, the resolutions were referred to the Law Committee to be reported upon.

NEW MEMBER.

On the motion of Mr. WELLS, seconded by the PRESIDENT, Mr. J. B. Alister, of Thornhill, Lisburn, was elected a member.

THE PRELIMINARY EXAMINATION AND EASTER.

On the motion of the PRESIDENT, seconded by Mr. EVANS, it was resolved that when the Preliminary examination in April falls on Easter Monday, the examination be held on the following Tuesday.

LEAVE OF ABSENCE TO THE PRESIDENT.

The PRESIDENT mentioned that he required a leave of absence for two months, and he requested the Council to assent to it. He hoped to be present at the April examinations.

The Council then adjourned.

* This must be attempted by every candidate.

THE IRISH PHARMACEUTICAL EXAMINATIONS.

At the January Preliminary examination the following passed:—R. Wolfe, Miss S. D. Gilmer, E. T. Elmes, J. Rooke, W. Cherry, D. L. Kirkpatrick, A. Adams, J. Suche, H. T. Grindley, A. C. Duncan, W. Knight, J. Morrison, D. A. Faris, F. T. Parker, H. C. Meyrick, W. Hutton, A. Gibson, T. J. Nowlan. Eleven candidates were rejected.

At the January Pharmaceutical Licence examinations, in botany, materia medica, chemistry, and pharmacy, the following passed:—Messrs. T. Harper, J. L. Baskin, C. H. Nesbitt, A. H. Jones, J. W. W. Agnew, J. R. Meek, and S. M. Martin. Four candidates were stopped.

The Winter Session.

SOCIETY OF CHEMICAL INDUSTRY.

THE meeting of the London Section at Burlington House on Monday evening was fairly well attended, considering the inclement weather. The first paper read was on the

QUALITATIVE ANALYSIS OF COAL-TAR COLOURING-MATTERS.

By A. G. GREEN.

It is of importance to dealers in, as well as manufacturers of, these dyes that they should have the means to match colours, not only in respect to shade, but also in accordance with the chemical constitution of any unknown colours which may be submitted to them. The object of Mr. Green's paper was to submit a scheme of analysis formulated into tables, such as are used in qualitative inorganic analysis. Unfortunately, his MS. and proofs of the paper had miscarried, and he was compelled to give a *résumé* of the communication. Taking Weingärtner's scheme as the basis, Mr. Green showed that we may first divide the different colours according to their solubility or insolubility in water; then taking those which are soluble, the addition of a 10-per-cent. aqueous solution of tannin determines whether the colour is acid or basic, the latter affording a precipitate and the former none. Next, the behaviour of the colour with zinc-dust, *plus* a sufficiency of hydrochloric acid or ammonia, furnishes another separation into three classes—viz., those which are readily, or slowly, or not at all, reduced. Again, taking those which are reduced, we may separate them into other three groups—(a) those which are completely reduced and cannot be reoxidised; (b) those which by means of chromic acid are brought back to their original state, or something like it; and (c) those which spontaneously reoxidise in the air. Azo colours may also be divided into those which do or do not dye cotton.

Water-insoluble colours may be divided into those which are or are not soluble in caustic-soda solution, and in regard to their behaviour towards zinc-dust.

Mr. Green then showed the meeting some of the reactions. Taking three blues—a thioeyanin, a roseaniline derivative, and an azo blue—he showed that all were reduced by zinc and hydrochloric acid, the thioeyanin colour reoxidising quickly, as was evident when some of the solution was placed on a piece of filtering-paper; the roseaniline colour was seen to be a faint yellow; and the azo colour had a red shade. On moistening with chromic acid the roseaniline was still unchanged, but ammonia vapour brought back the blue, whereas with the same oxidiser the azo stain was changed to a secondary colour not affected by ammonia. Similar experiments were shown with three red colours, and again distinctive reactions resulted.

It was next stated that sulphuric acid distinguishes between colouring-matters chemically different, although belonging to the same group. That was shown by treating three scarlets (alike in shade when dissolved in water)—xylene dissolved red in the acid, crocein brown-black, and Biebrich's scarlet gave a deep blue.

In concluding, Mr. Green explained the theory of the zinc-dust reaction. Taking all these colours as quinone compounds he thought that those which reoxidise readily are ortho-derivatives and those which reoxidise slowly are para-

derivatives; magenta (roseaniline) belongs to the latter and phosphine (chrysaniline derivative) to the former.

The discussion consisted mainly of questions.

Dr. ALDER WRIGHT asked how far the scheme could be utilised for mixtures of colours. Mr. BEVAN wanted to know how to proceed in applying the reactions to coloured fabrics. Mr. BLOUNT asked if it was the case that the majority of artificial blues are soluble in alcohol, even when on the fabric, and could this be used as a means of distinguishing between them and indigo.

The CHAIRMAN (Mr. W. Thorp) suggested that some indication should be given in the tables of what the chemical nature of the colours is, as the commercial names do not suffice for this.

Mr. GREEN, in replying, said that it was difficult to analyse mixtures of colours, and his tables did not pretend to do that, but it was often comparatively easy to tell whether a colour was a mixture or not. If it be finely ground and a little sprinkled on a piece of wet filtering-paper, then held up to the light, it would be seen that the margins of the particles differed in colour if there were different dyes present. So also in regard to the behaviour of the mixture when a little of it was sprinkled on sulphuric acid, or when the matter of ten swatches of cotton were dipped into the dye-bath under different conditions, or whether wool and cotton behaved differently. These and other methods could be utilised, but it was not possible, he thought, to deal more systematically with mixtures. Colours could be extracted from fabrics with alcohol or carbonate of soda, and the table tests then applied. All basic blue colours could be removed from fabrics by alcohol, but not the acid ones. It was impossible to use either formulæ or constitutional names in the tables, and on the whole the commercial names were most useful in this instance. In reply to Mr. Crowther, he stated that the spectroscope was sometimes useful in this connection, and a very simple way of ascertaining whether a dye was a mixture or not was to allow a little to soak up strips of filtering-paper, when by capillarity such a thing as picric acid, for instance, would reveal itself even in a roseaniline solution.

The CHAIRMAN, having complimented Mr. Green, called upon Dr. BERNARD DYER to read a paper on the

PROPORTION OF FATTY ACIDS IN LINSEED CAKE.

It is often observed that when linseed cake is badly made, or adulterated with inferior material, it contains large proportions of free fatty acids, and the matter is creating some attention on the Continent just now. Dr. Dyer's figures represent 100 specimens. They were determined by dissolving the extracted oil in hot alcohol, and titrating with alcoholic potash, using phenolphthalein as an indicator. There is from 7 to 16 per cent. of oil in linseed cake, and 10 per cent was taken as the mean for calculating the fatty acid "in the cake." The results were:—

Fifty-two pure cakes showed an average of 0.3 per cent. linoleic acid, the highest being 1.4 per cent., but this was exceptional.

Twelve impure cakes showed an average of 1.9 per cent. fatty acids; highest, 3.2 per cent.; lowest, 0.45 per cent.

One mouldy sample contained 2.2 per cent.

Nine new cakes contained no free acid, and sixteen, also supposed to be new, contained 0.3 per cent. Another twenty-five, known to be new, yielded 0.2 per cent. of the acid.

A sample of Bombay linseed-cake meal yielded 2.3 per cent. of fatty acid. Cottonseed cake showed 0.8 per cent., and the undecorticated 1.4 per cent.

In the course of the discussion it was pointed out that nearly all the material from which oil has been pressed—such as sesame and coprah cakes—contains large amounts of free fatty acids, and if these are used in adulterating linseed cake the effect may be expected. Dr. ALDER WRIGHT said that olives were allowed to ferment in certain cases so that the oil should contain free acids. It was possible that the glycerides in oil-seeds would decompose before they were crushed. Mr. A. H. ALLEN asked what Dr. Dyer meant by linoleic acid: the old formula had a combination weight of 252, but a few years ago he showed that it should be 280. Dr. WRIGHT said Mr. Allen's investigation on the matter had been confirmed by continental chemists. Dr. DYER then replied. He did not at the moment know what he

meant by linoleic acid, but he took it from Mr. Allen's book. (Laughter.)

Mr. WATSON SMITH then gave the gist of a note supplementing his previous paper on nitrous oxide. The necessity for this had arisen through his discovery that Mr. Victor H. Veley, assistant to Professor Odling at Oxford, had worked on the same subject, and published results in 1883 and 1888, which were substantially the same as his own. The present paper was an acknowledgement of that, and in no way affected the practical details of the process already published. Mr. VELEY afterwards spoke.

This was all the business.

MANCHESTER PHARMACEUTICAL ASSOCIATION.

THE members of this Association have apparently not yet succeeded in getting away from the festivities of the alleged festive season. Only about a dozen of them put in an appearance at the monthly meeting held on Wednesday night in the Society's rooms at the Victoria Hotel. Mr. G. S. Woolley, the President, was in the chair.

Three new members and two new associates were balloted for, and declared duly elected. Four more new members had their names submitted, and will be balloted for at the next meeting.

The CHAIRMAN read a letter received from Mr. Charles Thompson, Birmingham, in reply to a letter sent to him by Mr. Blackburn, the hon. secretary, stating the result of the discussion at last meeting on Mr. Thompson's scheme. Mr. Thompson wrote:—"Many thanks for your letter. I have carefully read the discussion in THE CHEMIST AND DRUGGIST. Although your members think the scheme cannot be successfully carried into effect at the present time, I will keep you posted up as to what other Associations are doing. Manchester, above all districts, should throw in its lot with us, as one of our first duties will be to assist you to get a representative on the Pharmaceutical Council." This, added the Chairman playfully, was rather a reflection on Manchester—that it should have to go to Birmingham for assistance.

It was announced that a smoking concert had been arranged for Friday, January 20, and that invitations to the number of about four hundred had been issued to the registered chemists and druggists of the district.

Mr. J. SPILSBURY read a paper on "The Evolution of Plant Life," in which, on the basis of palæontological botany, he traced the appearance of the original types of plants and mentioned some of the conditions then surrounding these forms. Succession being dealt with, the author called attention to the antiquity of the *Lemnaceæ*, and their structural characteristics and mode of reproduction were alluded to as a suggestive link between the phanerogamous and cryptogamous plants. Fertilisation and plant distribution were also discussed, and in the latter section the flora of the Engadine and Central Europe were quoted as illustrations of the effects of some of the causes for the migration of plants, and reasons were given for now finding peculiar to limited districts certain plants which formerly had a much wider area for their home, and for the removal of others a considerable distance from their supposed original habitats. The remarkable variation in the flora of comparatively adjacent though scattered islands was also pointed out, and the effect that the presence or otherwise of insect and bird life has on the development, degeneration, or extermination of flowers and plant life. He believed that the regular polypetalous corolla was one of the original types of flowers, and he named several orders as offering examples of gradation in the specialisation of the corolla. The paper tended to show that through the various causes and agents the existing modifications of plant life were so many departures from the primitive type, and that during the keen struggle for existence amongst flowering plants some had developed characters which had enabled them to survive.

The CHAIRMAN moved a vote of thanks to Mr. Spilsbury for his paper.

Mr. W. KIRKBY, in seconding the motion, said he was not able to agree with Mr. Spilsbury's theories on all points. One thing he had omitted to do was to point out that the great argument for the evolution of plants lay not so much in the modifications of their visible organs as in the modifi-

cations we saw in the seeds. If Mr. Spilsbury had given them some insight into the embryology of plants it would have been a valuable addition to what he had said on the question of evolution. Everybody who knew anything about the vegetable kingdom now regarded organic nature as one grand whole, and not a thing split up into parts, as it used to be regarded.

Mr. SPILSBURY, in his reply, said he had purposely not dealt with embryology, in order that his paper might be kept within reasonable limits.

GLASGOW PHARMACEUTICAL ASSOCIATION.

THERE was a small attendance at the fortnightly meeting of this Association on January 5.

The PRESIDENT (Mr. W. L. Currie) submitted printed copies of a circular which he was instructed to send to every registered druggist in the west of Scotland, which includes within its bounds most of the towns in Lanarkshire, all those in Renfrewshire, Buteshire, Dumbartonshire, and Ayrshire; some of those in Stirlingshire (including the county town), as far south as Dumfries, and west to Oban and Islay. The circular is an invitation to membership. Replies were read from Mr. Charles Thompson, of the Midland Counties Association, to the resolution forwarded to him upon the question of territorial representation, expressing satisfaction with the result of the movement, and intimating that a conference would soon be held (probably at Nottingham) to decide upon the course of action to be taken.

Some conversation afterwards took place as to a proposal of Mr. Cartwright's for

A SUPPER

of the drug-trade in Glasgow next month. This was agreed to, and a committee was appointed to arrange.

Mr. LAING, the Secretary, mentioned that the membership of the Association now stands at 101.

The programme for the remainder of the session is as under:—

January 19.	Lecture	Dr. C. O. Hawthorn.
February 2.	Address: "How Wounds are Treated in the Present Day"	Dr. Geo. T. Beatson.
" 16.	"The Relations of the Pharmaceutical Society to the General Body of Chemists and Druggists"	Mr. J. Rutherford Hill
March 2.	Discussion	Members.
" 16.	—	—
" 30.	Discussion	Members.
April 13.	Annual Business Meeting.	

Business Changes.

THE SEDOX MANUFACTURING COMPANY have removed from Oat Lane to 46 Queen Victoria Street, E.C.

MESSRS. CHARLES MANGOLD & Co., colonial brokers, of 97 Mincing Lane, have removed to more convenient offices in 3 Mincing Lane.

A NEW and commodious shop has been built for Mr. Steele, chemist, High Street, Burnham, Essex. This is a branch establishment, and is under the management of Mr. Watt.

A CURIOUS CIRCUMSTANCE happened near Saratoga some time ago. There was an 800-foot well there which yielded a good mineral water in which the chief constituents were sodium chloride, sodium bicarbonate, and carbonates of the earthy bases, together with small amounts of iodide and bromide; the solids were fully 486 grains per gallon. The well was sunk to 1,400 feet when the solids were reduced to 106 grains per gallon, iodide and bromide disappeared with nearly one-half of the constituents, sodium bicarbonate becoming the principal solid. An objectionable gas also appeared, which contained 95 per cent. of methane. The gas was used for lighting the premises. See the *Chemical News* of December 30, 1892, for the complete analyses.

Bankruptcy Reports.

Re ROBERT HARDY, 23 Fenchurch Street, E.C., and 28 Camden Square, formerly of 27 Great Tower Street, E.C., Chemist and Druggist.

THE creditors under this failure met at the London Bankruptcy Court on January 6, under the presidency of Mr. H. Brougham, Official Receiver. The accounts showed total liabilities 2,945*l.* 11*s.* 10*d.*, assets 906*l.* 15*s.* 5*d.*, and a deficiency of 1,678*l.* 1*s.* 8*d.*

Having called over the proofs, the Chairman reported that although the receiving-order was made in November, the statement of affairs had only been filed quite recently. The business was carried on for a short time after the receiving-order was made, but the result of the trading was not satisfactory, and the principal creditors were called together to decide upon steps to be taken. It was then resolved to sell the business as a going concern, and a private offer of 800*l.* was accepted. In all a sum of 857*l.* had been received; but from that 253*l.* had to be paid away in respect of rents and charges. A sum of 634*l.* remained in hand, and the only other assets to be realised were the book-debts and a surplus from certain securities held by creditors. A question had arisen upon a claim put in by the landlord, and certain household furniture was claimed by the debtor's relatives; but those matters would be dealt with later by the trustee, whose appointment was the chief business of the meeting. No offer had been submitted by the debtor, consequently the estate would have to be administered under bankruptcy.

On behalf of Miss Hardy, a creditor for 550*l.*, in respect of cash advanced and used in the business, Mr. J. H. Baker, chartered accountant, 9 South Street, Finsbury, was nominated for the post of trustee.

Mr. George White, in moving an amendment, said he was desired by several of the principal trade creditors to ask that he be appointed to the post. Without casting any reflections whatever upon Mr. Baker, the trade creditors were of opinion that no nominee of the debtor's relatives ought to act as trustee, and they accordingly desired him to fill the office.

Mr. Sweetland (Sweetland & Greenhill), who represented the debtor, thought it a great mistake to appoint a trustee other than the Official Receiver. The greater portion of the assets had been realised, and, with the exception of distributing the dividend, nothing much remained for a trustee to do. The best and cheapest way to administer the estate would be to allow it to remain in the hands of the Official Receiver.

The Chairman said it was entirely a matter for decision by the creditors. No doubt the wishes of the debtor's sister ought to be studied; but, as a fact, Mr. Baker resided in Leicester.

Mr. Baker: But I have a London office and a manager, sir.

The Chairman added that there certainly was very little for a trustee to do; but if the creditors desired they could fix the remuneration so that it would not exceed the scale of fees allowed by the Board of Trade.

Mr. White, whilst fully admitting the justice of Miss Hardy's claim, thought the wishes of the trade creditors ought also to be considered. If the meeting were in favour of leaving the estate in the Official Receiver's hands, he would raise no opposition; but he certainly would oppose the appointment of any nominee of the debtor's relatives.

A creditor asked whether an actual offer of 1,100*l.* had not been made for the business, and, if so, why 800*l.* had been accepted.

The Chairman said there was some suggestion of such an offer, but, as was usually the case, the amount dwindled down. There was a long discussion at the preliminary meeting, and the offer was not accepted before it was clear that a better sum was not forthcoming. The offer started at 700*l.*, and did not go beyond 800*l.* The rent was very heavy, and the landlord had power to put in a distraint. Had that been allowed, the stock would have fetched very little under a forced sale, and it was the general opinion of the creditors that the estate would not have realised more than a clear 200*l.* The lease was charged to a creditor. Consequently there was no value in the goodwill, and it was

agreed that the best plan was to accept the 800*l.* offer and dispose of the business without delay. (Hear, hear.)

After some further discussion, Mr. White was elected trustee, with the following committee of inspection:—Miss Frances Hardy, Mr. James Bowling (Bowling & Govier), and Mr. Joseph Houldsworth, representing Messrs. S. Maw, Son & Thompson.

The public examination of the debtor is appointed for January 26, at 11 A.M.

The following are the principal creditors, viz.:—

Unsecured.

	£	s.	d.
Baiss Bros. & Co., 4 Jewry Street, E.C.	44	4	7
Bowling & Govier, 22 Gun Street, Brushfield Street, Bishopsgate, E.C.	91	8	10
Brown, F. W., 73 Church Road, Essex Road, N.	11	0	7
Burrough, James, Cale Street Distillery, Chelsea	23	19	0
Burroughs, Wellcome & Co., Snow Hill Buildings, Holborn Viaduct, E.C.	40	19	11
Cavendish, Edinborough & Co., 4 Cullum Street, E.C.	9	13	0
Chappell, J. G., 46 Fenchurch Street, E.C.	13	10	0
Cooper, John, 28 Budge Row, Cannon Street, E.C.	56	13	11
Cresswell, Bros. & Schmitz, 1 and 2 Red Lion Square, W.C.	11	1	0
Evans, Lescher & Webb, 60 Bartholomew Close, E.C.	16	15	0
Freeman & Sons, 48 Fenchurch Street, E.C.	34	13	6
Greenshields, J. J., Eltham	265	7	0
Halford, R. H., & Sons, 43 Fenchurch Street, E.C.	14	3	9
Hardy, Miss F., care of Messrs. Davidson & Morris, 40 Queen Victoria Street, E.C.	550	0	0
Hodgson & Simpson, Calder Soap-works, Wakefield	31	6	3
Horne & Sons, Mitre Square, Aldgate, E.C.	122	4	11
Ingram & Royle, 52 Farringdon Street, E.C.	16	10	0
Jannings, E., Mark Lane Corner, Fenchurch Street, E.C.	10	12	2
Jones, Dr., 23 Fenchurch Street, E.C.	50	0	0
Kinross & Black, 18 Elder Street, Edinburgh	29	19	8
Marks, Henry, & Sons (Limited), 45 Houndsditch, E.C.	34	10	0
Maw, Son & Thompson, 7 Aldersgate Street, E.C.	168	19	0
Mills, R. M., & Co., Bourne	53	10	0
New River Company, Clerkenwell, E.C.	11	0	0
Pears, A. & F. (Limited), 71 New Oxford Street, W.C.	10	14	0
Quelch, H. C., 4 Ludgate Square, Ludgate Hill, E.C.	10	6	5
Richardson, John, & Co. (Limited), Leicester	13	8	0
Schweppe, J., & Co. (Limited), 51 Berners Street, W.	40	12	0
Seagrove Bros., 175b Kentish Town Road, N.W.	38	19	11
Smith & Co., 132 Borough, S.E.	35	8	4
Smith Brothers, 48 Fenchurch Street, E.C.	12	0	0
Sutton, W. L., St. Peter's Chambers, Cornhill, E.C.	250	0	0
Sweetland & Greenhill, 23 Fenchurch Street, E.C.	12	12	0
Trego, M., Ford Street, Coventry	17	0	0
York Glass Company (Limited), Glass-works, York	25	5	0

Fully Secured.

Meggesson & Co., Miles Lane, Upper Thames Street, E.C.	55	1	10
Seton, Laing & Co., 13 Mincing Lane, E.C.	306	12	11

Preferential.

Consolidated and Sewers Rates	64	0	0
Income-tax	31	0	0
Poor-rates	14	0	0
Sutton, W. L., St. Peter's Chambers, Cornhill, E.C.	130	0	0
Trego, M., Ford Street, Coventry	36	0	0

Re F. S. SNOWDON, Sheep-dip Manufacturer, Portslade, Sussex.

FREDERICK SEATON SNOWDON, trading as Robert Hall & Co., manufacturers of sheep-dip, Portslade, came up for examination at the Brighton Bankruptcy Court on January 5, before Mr. Registrar Jennings. Replying to the Official Receiver, the debtor said he was not a partner in the firm of Hall & Co., but was their manager. He had not scheduled the debts owing by the firm. The business was started in September, 1891, and at first belonged to his sister, Mrs. Hall. He had an arrangement with his sister by which he received one-third of the profits, and Mr. Adland, who had advanced money to carry on the business, received another third of the profits. He had never received anything from the busi-

ness, and had lived principally on money borrowed, and money received from his wife's relations. The examination was concluded.

Re THE LONDON SYPHON-MANUFACTURING COMPANY (LIMITED), Westville Road, Shepherd's Bush.

THE first meetings of the creditors and shareholders of this company were held on Wednesday last, at 33 Carey Street, W.C., before Mr. Warley, Assistant-Receiver. The company was formed in July, 1891, to acquire the business of Mr. G. Hewitt (trading as C. Wilson & Co.), mineral-water manufacturer, 1 Westville Road, Shepherd's Bush, and the business of Mr. J. A. Lincoln, manufacturer of siphons, seltzogenes, and mineral waters, carried on at 3 Westville Road, aforesaid. The purchase-prices of the businesses were agreed at 1,375*l.* and 1,655*l.* respectively, and were to be paid by shares. The nominal capital of the company was 5,000*l.*, and the insolvency is attributed to the heavy loss sustained by the company on mineral-water bottles, heavy working expenses, and the low prices obtained for the sale of mineral waters. A winding-up order was made against the company last November upon a creditor's petition, and accounts had been issued showing total liabilities 2,544*l.* 14*s.*, of which 1,554*l.* 16*s.* 7*d.* are expected to rank, against assets 52*l.* 16*s.* 7*d.* The total deficiency to the contributories is returned at 5,112*l.*

The proofs having been gone through, the Chairman reported that an arrangement had been made at a preliminary meeting of the creditors to sell the company's outstanding interest and assets to Mr. Hewitt (vendor and debenture-holder) for a sum sufficient to pay 7*s.* 6*d.* in the pound to the creditors. The contract was in course of completion, and the creditors could look for the dividend forthwith. The only business of the meeting was to decide upon the appointment of a liquidator and committee of inspection. On the suggestion of Mr. Horten, who appeared on behalf of Mr. Hewitt, the Official Receiver was appointed liquidator, and Mr. Ellis, Mr. Latham, and Mr. Steinham were selected as an informal committee of inspection.

The following are the principal creditors—viz.:

Unsecured.

	£	s.	d.
Ashley's Patent (Machine-made) Bottle Company (Limited), Castleford, York	216	11	9
Bond, C. A., King Street, Hammersmith	59	16	2
Carbonic-acid Gas Company, Lea Bridge Road, Clapton	42	15	0
Clayton & Jowett, chemists, Liverpool	100	1	7
Dan Rylands (Limited), Stairfoot, Barnsley, Yorks	73	8	8
Grand Junction Waterworks Company, 65 South Molton Street, W.	13	5	0
Hewitt, George, St. Mark's Road, Notting Hill	563	13	10
Horten, J. H., 161 Edgware Road, W.	44	5	4
Jones, C., & Co., 170 Askew Road, Shepherd's Bush	19	5	1
Lumley & Co., 1 America Square, E.C.	10	0	0
Pfeil & Co., 145 St. John's Street, Clerkenwell.	33	11	8
Pickersgill & Lightowler, Leeds	12	13	0
Startin, G., & Co., 150 Fenchurch Street, E.C.	12	9	0
Stevenson & Howell, chemists, 95A Southwark Street, S.E.	12	0	1
Stiff, J., and Sons, Lambeth	52	2	6
Vidie, Fils, Melin	168	3	3
Woodger & Broad, Goldhawk Road, W.	16	19	0

Re MACDONALD, SONS & CO. (LIMITED), 1 Finsbury Square, E.C., Medicated-wine Manufacturers, &c.

THE adjourned meetings of the creditors and shareholders of this company were held on Thursday, at Carey Street, E.C., before Mr. Haig Brown, acting for the Official Receiver.

The Chairman said that since last meeting other proofs had been admitted, and they were now in a position to transact the business of the meeting.

Mr. Mitchell, as representing Messrs. Hanson, Son & Barter, proposed that the Official Receiver should act as liquidator and take the necessary steps to obtain a sitting for the public examination of the directors and officers of the company.

The Chairman assured the meeting that the fullest inquiry

would be made into the whole circumstances of the case. At present the Official Receiver was not prepared to state that the circumstances were such as would justify an application being made to the Court for a public inquiry, but the matter would be thoroughly sifted in the Department, and, if considered necessary, the application would be made later.

The meeting unanimously agreed to Mr. Mitchell's proposition.

Trade Notes.

MESSRS. ARTHUR H. COX & Co., of Brighton, have issued a new price-list of their coated pills. Over 750 kinds are mentioned in the list.

MESSRS. BURROUGHS WELLCOME & Co. are now offering "toilet lanoline," in neatly-inscribed metal boxes, to retail at 3*d.*, which yield the vendor a profit of 1*d.* on each. It is believed that this course will tend to still further popularise the article.

THE directors of Liebig's Extract of Meat Company (Limited) have declared a half-yearly dividend of 5 per cent., the same as last year, being 20*s.* per share, tax free, payable on February 15 to the proprietors registered on the books on February 8, and to holders of share warrants to bearer.

HATRICK & Co. (LIMITED), 31 Snow Hill, E.C., have forwarded to us samples of cascara-sagrada capsules made by Dun, of Glasgow, for which firm they are agents. Each capsule is of 15-minim bulk, and the contents we find to be of excellent quality. Points about Dun's capsules are their beautiful finish and their non-collapsing character.

"HELBING'S PHARMACOLOGICAL RECORD," No. xiii., has been issued this week from 63 Queen Victoria Street, E.C. It is an analytical report of Messrs. Stevenson & Howell's oils of lemon, sweet orange, tangerine, and bergamot, and contains many interesting statements of scientific interest. We refer to those on bergamot elsewhere in this issue. The authors say of the samples "that they are undoubtedly genuine expressed oils of excellent quality."

MR. J. D. MARSHALL, chemist, of 5 Pimlico Road, S.W., has brought out well-made biscuits, into which are incorporated proper doses of phosphates of iron, lime, soda, and potash, the other constituents being oatmeal, butter, and eggs. This is a most pleasant and suitable form for the administration of chemical food, and one which is quite likely to attain popularity. The biscuits are entitled "Phosphanes Marshall," and are sold in tins at 1*s.* 6*d.*, 2*s.* 6*d.*, and 5*s.*

ALMANACKS.—We have received a few specimens since Christmas. Amongst them are the following:—F. C. Calvert & Co.: Calendar-sheets for each month, with a memorandum-space for each day of the month, and illustrated notes on the firm's specialities.—Mr. W. D. Gibb, chemist, Winchester, publishes the "Winchester and County Almanack." There is a price-list in it and local information, besides what is usually found in almanacks.—Mr. Samuel Lawrence, Oban, sends his "West Highland Almanack," an original and useful compilation.—Mr. Tom Morris's "Workshop Almanack" is a 100-page book, and is quite haggis-like in the miscellaneous nature of the fare to be found within. It would not be Mr. Morris's if it was not full of advertisements.—Messrs. Oldfield, Pattinson & Co., Manchester, are again issuing beautifully-produced little calendars for the pocket. These are floral and *genre* in character, and are quite in accord with their "Silver Churn" butter-colouring, which they purpose advertising. Chemists can obtain supplies of these calendars from the firm.

LIQUID VASELINE is, according to Delstanche, of great benefit in certain middle-ear affections. It is also a most useful adjuvant to, and sometimes even a substitute for, paracentesis for the removal of accumulated secretions in the tympanum in chronic middle-ear catarrhs as well as of surprising efficacy in purulent middle-ear affections, especially if iodoform has been added to it.

Personalities.

MR. C. E. SAGE has been appointed financial secretary to the Chemists' Assistants' Association in succession to Mr. E. F. Harrison.

SIR JOHN BENNET LAWES has just been celebrating his golden wedding at Rothamsted, Herts, where he was born seventy-eight years ago.

MR. BAINES, chemist and druggist, of Corsham, has been elected a member of Corsham School Board. He was returned at the head of the poll by 581 votes.

MR. ALFRED SCHOTT, member of the late firm of Messrs. Schott & Segner, Manchester, has been appointed one of the directors of the Deutsche Gold und Silber Scheide-Anstalt, Frankfort-on-Main.

MR. DU MAURIER, the *Punch* artist, was intended to be a chemist, and for some time studied under Professor Williamson, but, owing to his defective eyesight, Professor Williamson advised him to abandon the study. Professor Williamson is very proud of some caricatures of himself done by Du Maurier when he was a student, but Du Maurier says, in his quaint French way, "He has not got all of them."

MR. E. F. HARRISON, who has been appointed demonstrator in the Pharmaceutical Research Laboratory and assistant lecturer on chemistry in the School there, is one of two Bell scholars who have been sent to the school by Mr. Read, of Buckingham Palace Road. Mr. Harrison has been assisting Professor Green for some time, and is very popular with Bloomsbury Square students, who have been anticipating his new appointment.

ONE of the staterooms of the White Star s.s. *Majestic*, which left Liverpool for New York on Wednesday, was occupied by three men well known in the London drug-trade. These were Mr. S. M. Burroughs, of Messrs. Burroughs, Wellcome & Co., who is visiting the United States on business, after four years' absence; Mr. Collingwood, of Messrs. Hertz and Collingwood, who is to organise an American branch of the Franz Josef and Levico medicinal waters; and Mr. A. H. Mason, of Messrs. Seabury & Johnson, who is to take up his residence in New York as secretary of the firm.

New Companies.

SEDUX MANUFACTURING COMPANY (LIMITED).—Capital, 15,000*l.*, in 1*l.* shares. Objects: To carry on business as manufacturers of absorbent and antiseptic dressings, or any other business arising out of the manufacture, preparation, and treatment of the material known as "Sedux." The first subscribers are:—F. W. Day, 16 Staining Lane, E.C., manufacturer, 50 shares; J. H. Gibson, 56 Maida Vale, doctor of medicine, 25 shares; D. St. J. Herd, 89 Chancery Lane, E.C., barrister-at-law, 1 share; A. E. Prockter, Gray's Inn, surgeon 5 shares; E. N. B. Donisthorpe, 12 Oat Lane, E.C., manufacturer, 1 share; C. W. Routledge, 19 Union Road, Walthamstow, accountant, 1 share; J. Morley, Liverpool Road, St. Albans, secretary, 1 share; E. R. Donisthorpe, B.A., 28 Moorgate Street, solicitor, 1 share. Registered without articles of association.

J. SCHWEPPE & Co. (LIMITED).—Capital, 450,000*l.*, divided into 30,000 preference and 60,000 ordinary shares of 5*l.* each. Objects: To acquire as a going concern the business of Schweppe & Co. (Limited), now in liquidation, upon such terms and conditions as the directors may think fit, and to manufacture, import, export, and deal in any natural, aerated, artificial, or other waters or beverages of any description whatsoever. The first subscribers (who take one share each) are:—H. Evill, Lancaster Gate, W.; C. D. Kemp-Welch, Broadlands, Ascot; J. Kemp-Welch, Parkstone, Weybridge; P. C. Fenwick, 16 Berners Street, W.; E. R. Fairfax, 5 Prince's Gate, S.W.; R. S. James, 51 Berners Street, W.; R. Leonard, 57 New Broad Street, E.C. There shall not be less than three nor more than eight directors. The first are H. Evill, C. D. Kemp-Welch, J. Kemp-Welch, C. H. Evill, and E. R. Fairfax. Qualification, 500*l.* Remuneration to be determined by the company in general meeting.

MARRIAGES.

[Notices of Marriages and Deaths are inserted free if sent with proper authentication.]

AINLEY—HEMINGWAY.—On January 3, at the parish church, Mirfield, with full choral service, by the Rev. H. Walsham How, vicar, Mr. Edward T. Ainley, chemist and druggist, Birkenhead, eldest son of W. Clark Ainley, Mus. Bac. Cantab., Mirfield, to Mary Hemingway, eldest daughter of Mr. Thomas D. Hemingway, of Ravensthorpe.

FLETCHER—SALT.—On January 11, at Aston Parish Church, by the Rev. E. A. Knox, M.A., vicar, assisted by the Rev. W. Bleiben, M.A., Claude William Fletcher, of Burton-on-Trent, to Florence Mary, eldest daughter of John W. Salt, chemist and druggist, Aston New Town.

NICHOL—TIFFIN.—On January 3, at Colehill Parish Church, by the Rev. J. Howard, Mr. Anthony Nichol, pharmacist, Bank Street and Botchergate, Carlisle, to Miss Tiffin, third daughter of Mr. Henry Tiffin, of Alby Lodge, Carlisle.

DEATHS.

ALLDEN.—At Cromwell House, Gordon Place, Kensington, on January 7, of cancer, Adelaide, widow of the late Mr. John Allden, chemist and druggist, 156 Cromwell Road, Kensington.

BOTHAM.—On January 4, Emma Marian, wife of William Bland Botham, pharmaceutical chemist, 70 Holdenhurst Road, Bournemouth. Aged 27.

BRUNNER.—The death is announced of Mr. J. P. Brunner, of Brunner, Mond & Co. (Limited), of Northwich, chemical manufacturers. The deceased gentleman, who was in his 49th year, was a magistrate of Liverpool.

BUCK.—On January 6, Richard Capleton Buck, pharmaceutical chemist, Breck Road, Liverpool. Aged 71. Mr. Buck had lived in Liverpool for about twenty-five years. He was previously in business in Dudley, Worcestershire. His only son, Dr. Randle Buck, who died a short time ago, had an extensive practice in Worcester, and was for some years a member of the Town Council of that city. Mr. Buck married the daughter of Mr. Randle, organ-builder, Dudley, by whom he is survived.

DOBBIN.—On January 10, Mr. John M. Dobbin, chemist and druggist, 45 and 47 North Street, Belfast. The deceased was principal managing director of William Dobbin & Co. (Limited), with which business he was connected from boyhood. His untimely death, at the early age of 40 years, is deeply regretted by all who knew him.

FAIRBROTHER.—On December 25, 1892, in consequence of a fall from his bicycle, David Fairbrother, chemist and druggist, Ridgway Street, Ancoats, Manchester. Aged 52.

PALETHORPE.—On January 9, at Soho Street, Smethwick, after a long illness, Samuel Palethorpe, chemist and druggist, formerly of Nottingham. Aged 78.

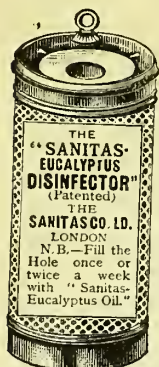
TIGHE.—On January 8, at St. James's Place, Exeter, Henry Wynne Tighe, chemist and druggist. Aged 61.

POST-CARD COMPETITION.

WE invite anecdotes in connection with pharmaceutical life, to be told on post-cards, and we offer

ONE GUINEA FOR THE BEST.

The anecdote may be anything which has occurred in connection with the business or trade; it must be original, and must be told crisply, and it must be sent to us not later than Monday, January 23, so as to be in time for our Winter Issue. Contributors who do not wish their names to appear unless they take the prize should add a *nom de plume*, which will be used.



"SANITAS-EUCALYPTUS DISINFECTORS"

(PATENTED).

An Automatic Appliance for Disinfecting the Air, and Scouting Rooms, &c.

Price 1s. each.

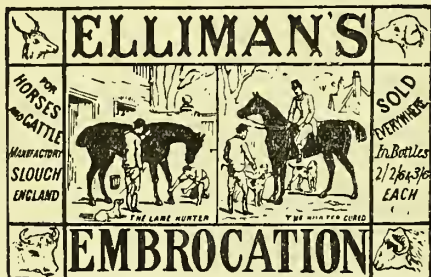
"SANITAS-EUCALYPTUS OIL,"

For charging same, and for use in place of ordinary Eucalyptus Oils.

In 1s. Bottles.

THE SANITAS CO. (LIM.),
BETHNAL GREEN, E.

SHOW CARDS, 24 x 17 or 17 x 12,
Sent to any address in the United Kingdom.



See first page, facing inside of front of cover, of first issue of this month, for latest particulars.

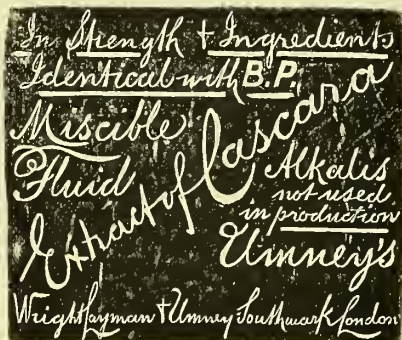
A POSITIVE PAIN - KILLER.

GORDON STABLES, M.D., R.N.

DAY'S OIL OF THE NIGHT

Is an Embrocative Balm for the People, and a source of profit to the Retailer
1s. 1½d. and 2s. 9d. NO CUTTING. [2]

DAY & SONS, CREWE.



LONDON AND LANCASHIRE FIRE INSURANCE COMPANY.

Head Offices { 45 DALE STREET, LIVERPOOL.
74 KING WILLIAM STREET, LONDON.
West-end Branch: 26 PALL MALL, S.W.

Annual Income ... £801,000.
Funds in Hand ... £1,026,000.

Premiums Moderate. Losses settled with promptitude and liberality.

Applications for Agencies specially invited from Chemists and Druggists in both Town and Country Districts.

MOSS'S Mixes with Water. Certain and Pleasant.

Not Nauseous. **MISCIBLE** "A great Improvement."

"A very elegant preparation of this drug."
"Superior to anything yet introduced."
—Extracts from Letters.

(REGISTERED)

CASCARA

Through any Wholesale House, or from the ONLY MAKERS—

JOHN MOSS & COMPANY,
Galen Works, New Cross Road, LONDON, S.E.

CHASSAING & CO.'S PEPSIN, PEPTONE, PANCREATINE
6 Avenue Victoria, PARIS
Sole Agents for the United Kingdom, Furst Brothers, 17 Philpot Lane, London, E.C.
(See Advert., Fourth No. of this Journal each month.)



SANDOID'S CHOICE PERFUMES.

Excellence of quality and artistic merit have alone sufficed, with an entire absence of advertising, to accord these beautiful perfumes an extensive sale. Chemists unacquainted with them would do well to sample at once for New Year Trade. They are absolutely unrivalled. Price List upon application.

BULK ESSENCES, &c.

English Offices:—26 Clerkenwell Road, LONDON, E.C.

MEDICAL ELECTRICITY.

EVERY DESCRIPTION OF

Galvanic, Faradale, and Electro-Magnetic
Machines and Electrodes, Galvano-Cautery and
Lighting Instruments.

Lists Free. Descriptive Catalogue, 100 Illustrations,
32 pages, 4 stamps.

GENT & CO., LEICESTER.

TO SAVE TIME, MONEY, AND WORRY, USE

Fletcher's
Concentrated Liquors

Editorial Comments.

THE CHEMISTRY OF BERGAMOT.

THERE are few oils handled by chemists which have the importance attached to bergamot. The volume used may not compare in magnitude with others, but as an ingredient

of eau de Cologne, and as a perfuming-oil generally, it has peculiar value. A certain degree of interest has always attached to the oil owing to the comparative ignorance regarding its true characteristics. Given an essence of green colour, non-terebinthinate odour, "new," and soluble in its own volume of rectified spirit, we have there the elements commonly recognised as evidence of purity. That is the condition so far as dealers and users are concerned. In the purely scientific department much has been done of recent years to throw light on the composition of the oil. Thus the terpenes which the authors of "Pharmacographia" speak about vaguely have been named, and their properties studied; we know more about the stearoptene (bergaptene) which separates from it almost from the time it leaves the *æcuelle*, and it was very conclusively shown two years ago that the green colour is not natural to the essence, but is due to dissolved copper. We have the knowledge on the practical side summed up in the factors submitted by Schimmel that bergamot oil should range in specific gravity from 0.880 to 0.890, should give a specific rotation of from $+8^\circ$ to $+16^\circ$, and should dissolve in half its volume or more of rectified spirit. These factors distinguish bergamot from all other peel-essences, which are lighter, more powerfully dextrorotatory, and less soluble in spirit; moreover, the minimum density is the maximum which has done duty so long in text-books. A year ago Semmler and Tiemann made a thorough chemical examination of the oil, showing that it consists of 40 per cent. of limonene, $C_{10}H_{16}$, 10 per cent. of its isomer dipentene, 25 per cent. of linalool, $C_{10}H_{18}O$, 20 per cent. of linalool acetate $C_{10}H_{17}O, C_2H_3O$ (to this the peculiar odour of bergamot is due), and 5 per cent. of the crystalline bergaptene. This substantially summarises the chemistry of bergamot oil up to the present date, although much has been done in regard to the derivatives of the various constituents, which, however, relates mainly to the speculative side of the matter.

This week we have a confirmation of the foregoing statements in an interesting report by Messrs. Helbing and Passmore on several Sicilian essences, including bergamot. The oil which they examined was one of recent manufacture, having a specific gravity of 0.8893—high, they consider, owing to the contained bergaptene—a specific rotation of $+13.4^\circ$, and on distillation it yielded the following fractions:—Under $145^\circ C.$, 7.1 per cent. (contained over 10 per cent. free acetic acid); $145-180^\circ C.$, 15.6 per cent. (limonene and a little free acetic acid); $180-190^\circ C.$, 27.2 per cent. (limonene and dipentene); $190-200^\circ C.$, 16.45 per cent., and $200-220^\circ C.$, 9.05 per cent. (linalool and some terpenes); and above $220^\circ C.$, 24.6 (partly stearoptene). These figures, it will be observed, differ from Semmler's, and the difference may be attributed to the fact that the latter investigator effected distillation under reduced pressure. Doubtless, also, slight differences in composition are to be expected in the oil from season to season. The important point about Helbing and Passmore's work, however, is the observation that the oil suffers decomposition on distillation, with liberation of acetic acid—a fact which does not appear to have been previously recorded. This acid is formed, of course, from the linalool acetate, and it was determined by saponification that the amount of derivable acetic acid is 13 per cent. Tangerine oil is the only other peel-essence which yields acetic acid, but not more than 1.2 per cent., so that it may be possible to detect admixture of lemon oil with bergamot by the yield of acetic acid. This interesting observation explains why bergamot so readily takes up copper from the vessels in which it is imported, also why it becomes so acid on keeping. It may also explain why eau de Cologne is mellowed by heating or keeping, in which case

the formation of the fragrant acetic ether is a probable result, and it is well known that a small proportion of that ether has a wonderfully improving effect when added to perfumes. Apart from that, the factors which we group here should be of material assistance to chemists in judging the quality of bergamot submitted to them, it being borne in mind that perfectly fresh oil is neutral in reaction, and that to a limited extent acidity is a measure of age, while it is certainly an indication that the most odorous principle of the oil is disappearing.

THE TITLE "VETERINARY CHEMIST."

WE asked last week if a sufficient number of chemists would promise donations towards a fund for guaranteeing a defence in the High Court of the use of the description "veterinary chemist" by chemists and druggists. The Royal College of Veterinary Surgeons now challenge the right seriously, and a case will certainly come before magistrates shortly. The defendant will certainly not contest, at any rate beyond the first court, unless he is supported by others interested. He offers 5*l.* to our fund, we ourselves are willing to contribute 10*l.*, and two other correspondents have promised 2*l.*, 2*s.* and 1*l.* 1*s.* respectively. We cannot, of course, dream of going to law with the Royal College on a capital of 18*l.* 3*s.* If other chemists feel interested enough in the question to take part in the defence, will they be good enough to write to us promptly, stating how much they will guarantee? The Act declares that any unqualified person who "takes or uses the title of veterinary surgeon, or veterinary practitioner, or any name, title, addition, or description, stating that he is a veterinary surgeon, or a practitioner of veterinary surgery, or of any branch thereof, or is specially qualified to practise the same, shall be liable to a fine not exceeding 20*l.*" It must also be borne in mind that the term "veterinary surgery" means "the art and science of veterinary surgery and medicine." We should also add that the College has obtained a High Court decision that the description "veterinary forge" is an infringement of their Act.

OUR FOREIGN TRADE IN 1892.

THE Board of Trade returns for December last, which complete the official statistical abstract of our foreign commerce for 1892 have been published this week. At first sight they look bad enough in all conscience, though no worse than was expected by those who had followed the figures month by month throughout the year. The total value of our imports amounted to only 423,892,172*l.* in 1892, as compared with 435,691,279*l.* in 1891, a shrinkage of nearly 3 per cent. Our exports of national produce have fallen from 247,235,150*l.* to 227,060,224*l.*, a decline of rather over 8 per cent., and only the re-exports of foreign and colonial produce were larger (by about 4 per cent.) than in 1891, the figures for this section being 64,400,420*l.* and 61,796,593*l.* respectively.

The shrinkage of our imports is almost entirely due to the fact that we only purchased from abroad 77,631,573*l.* of raw materials for textiles, against 89,215,655*l.* in 1891. A decrease of $12\frac{1}{2}$ per cent. in our staple industry is serious, and when we look at the reverse, and discover a diminution of 6 per cent. (from 105,996,484*l.* to 100,065,975*l.*) in the exports of manufactured textiles, the conclusion is unavoidable that our business in that branch is in a bad way. Moreover, it appears from the return of the quantities, that the falling off weight for weight in the material which we received for our money is even greater

than that in the value; in other words, prices advanced all round, and therefore we purchased less. But while the foreigner gave us less for the same money in 1892 than in 1891 we had to tempt him by giving him more stuff for the same money, for the relative value of almost all textiles exported by us was lower in 1892 than in the year before. And matters are much the same in all other departments with one solitary exception—that of chemicals. Even in this branch of trade we shipped less in 1892 (8,587,506*l.*) than in 1891 (8,877,712*l.*), while we imported a little more (7,707,390*l.* against 7,314,337*l.*). For the 6 per cent. less of alkali which we sent out (5,885,655 cwt. against 6,227,400 cwt.) we received 10 per cent. less money—viz., 2,118,791*l.* against 2,335,281*l.*, and in bleaching materials the proportion is much the same. The United States remain far and away our best customer for these goods, of which they take about two-fifths of the total, but even their imports are steadily declining. The Continent, especially Germany, France, and Italy, bought a good deal more this year than last, but that, of course, was owing only to the cholera, and cannot be accounted a permanent gain. Our shipments of drugs and medicinal preparations were declared at 1,012,303*l.*, against 1,053,436*l.* and 1,060,379*l.* respectively in 1891 and 1890. These figures bear out the contention which is heard in many quarters, that while the home trade has been by no means bad, our export business is (let us hope only temporarily) suffering from want of animation. Financial crises and hostile tariffs have a good deal to answer for, but the main causes lie deeper. Our antiquated London-dock system and the outrageous charges which are made in this port for the handling of goods want overhauling and adjusting sadly, and our Customs authorities might well temper their zeal with a little more discretion in the manner in which they deal with goods intended for re-exportation. Of our re-shipments of foreign and colonial merchandise there is little to be said. We have sent out more cinchona-bark, gum arabic, indigo, spices, and palm oil than in 1891 but our re-exports have been less in quicksilver, coconut oil, shellac, and cochineal.

THE NEW RAILWAY RATES.

WE have no wish to complain of the Board of Trade for its close supervision of the railway companies in regard to traffic rates. But in the letter from Sir Courtenay Boyle to the secretary of the Railway Companies' Association and the reply of the latter which have been published this week, the Board's interposition was surely a little precipitate. The new rates came into operation on January 1, 1893, and Sir C. Boyle's letter is dated January 2. A large number of complaints have been received, he says, from all parts of the country of increases under the new Acts. The Board have not been able to examine into these, but they ask what the Railway Companies' Association has to say to them. To this the Association have an easy answer. They have had, he says, to alter millions of rates; they are traders themselves and want to do the best they can for their customers. But this disturbance has been forced upon them. Inevitably some grievances will occur, and they are considering and dealing with such as fast as possible. It is naturally the increases that are commented upon; "the reductions enforced by the new code have apparently escaped notice."

It is impossible to say yet what the effect of the new classification will be on the whole. We have never anticipated that traders as a body will obtain any appreciable advantage from the 100,000*l.* spent on the great Railway Rates Commission. The burdens will be shifted in certain instances, but in the long run the railway companies will

take care to make up their old profits and to recoup themselves for the expense that was forced upon them.

The feature of particular interest to the majority of retail chemists is the traffic rate for "smalls." It will be remembered that goods coming under the definition of "smalls" are now limited to parcels not exceeding 3 cwt. Formerly the limit was 500 lbs. We have made some inquiries among the wholesale trade, and find the general opinion is that an advance of something like 10 per cent. (estimates vary from 7½ to 12½ per cent.) is the result on parcels of 3 cwt. and less. This of course covers nearly the whole of the goods supplied to retail druggists. It is possible that a slight reduction will result in respect of parcels weighing between 3 cwt. and 5 cwt., which will henceforth come under the tonnage rates. Elsewhere we print regulations affecting "smalls." The full tariff is obtainable from any of the railway companies.

THE TERRITORIAL SCHEME.

It will be seen from our report of the Pharmaceutical Council-meeting that the elaborate schemes for the reform of the Pharmaceutical Society which are launched from time to time are not viewed with favour in Bloomsbury. One cannot avoid sympathising with Mr. Carteighe's demand for definite suggestions, but the absence of any allusion to territorial schemes and local branches of the Society will be discouraging to their advocates. There does not appear to be either money or power to give effect to these notions, and while Birmingham and Manchester fail to agree, and Glasgow wanders over the whole field of pharmaceutical politics without settling down anywhere, the Council's safest position is on the fence.

MEDICATED HERBS AND THE MEDICINE-STAMP DUTY.

In Messrs. Potter & Clarke's *Bulletin*, lately published for herbalists, we find an interesting note elucidating the paragraph published in the recent Supplement to Alpe's "Handy-Book" respecting "medicated herbs." Mr. Alpe states that the charge for duty applies to medicated herbs only, and that packets containing herbs which have not been subjected to any process of medication are not chargeable with duty whether the herbs are of one kind or several, and, if of several kinds, whether mixed in known or unknown proportions; and they may be held out as proprietary and recommended without incurring liability. Messrs. Potter & Clarke state that it had not previously been understood that herbs, roots, and barks in compound form could be sold without a stamp. To make assurance doubly sure they put up a packet labelled as below, and submitted it to Somerset House:—"Skelton's Indigestion Herbs. Invaluable in all cases of Indigestion, Dyspepsia, Constipation. Is a Splendid Tonic and Invigorator of the system." The contents were golden seal, barberry bark, chiretta, and liquorice, all cut up small. After considerable delay a letter was received from the Board of Inland Revenue, stating that the packet was not such as to bring the preparation within the charge of medicine-stamp duty.

DEATHS UNDER CHLOROFORM.

The stream of deaths from chloroform during inhalation still flows on in undiminished volume, and while much is said and written about the methods of restoring collapsed patients, there is little about how to prevent collapse. It has not yet come home to doctors generally that the want of oxygen is the direct cause of the collapse, but we notice a practical suggestion by Dr. Theo. G. H. Nicholson, of Liverpool, which may lead to some good. He advises a combination of oxygen with the chloroform-vapour, and says that this keeps up the blood-pressure and maintains respiration in a way that gives confidence to the operator. This is well worth trying.

"OFFICIAL" AND "OFFICIAL."

There is quite a hubbub in American journals of pharmacy just now regarding the use of these two words. Mr. Hallberg, for the National Institute of Pharmacy, says that "official" is the proper word to use in America in reference to pharmaceutical articles, because the U.S.P. is not an official publication, and because long usage in America favours "official." Professor Attfield has been called in by the *Pharmaceutical Record* with a host of other professors to maintain the world-wide meaning of "official." The British professor puts the matter very crisply:—"The word 'official' in pharmacy was born of a blunder, and had better be allowed to die out altogether."

GINGER-WINE ESSENCE.

The Excise authorities are regarding with a suspicious eye the sale of ginger-wine essence for the production of non-alcoholic ginger cordial or wine. This essence has become very popular of recent years, and is sold largely by chemists, one of whom has informed us that he has been asked by a local Excise officer if he has any explanation to offer in regard to the sale of a bottle of the essence. The officer had bought a bottle, and the Somerset House chemists had reported that it contained alcohol. There was no question about that, for it was made from a C. & D. formula ordering 6 drachms of tinctures in 2 oz. of the essence. What does seem doubtful is the object of the Excise procedure. These essences are not sold as or for alcoholic beverages, the spirit being entirely in the nature of a preservative, and they have been instrumental in fostering temperance principles in social circles. If people are to be driven to licensed shops for the essences, we may expect that all the good accomplished will be undone.

ANOTHER KNOCKDOWN.

Just when the drug-trade is within sight of the haven made for it by the Pharmacy Act a quarter of a century ago, it is to run the risk of a collision which may sink it for ever. Down Stepney Green way there has been founded a "Magnetic and Botanic School of Safe Medicine," whose mission it is to make a Pharmacopœia which will exclude all poisons, whether mineral or herbal. The Rev. Verman Trimming, secretary, says his society is to ask Parliament for a charter. Many poisons, he believes, remain in the system indefinitely. For instance, in the Maybrick case the accumulated doses of poison, taken under allopathic rules for months or years, probably remained in the system to furnish false evidence of a murderous dose never taken, though an overdose probably was. "We say poisons should never be taken," he added to the interviewer, "and we mean to fight for the recognition of a system of medical treatment that excludes them entirely."

PHARMACISTS MAY JOIN.

We are requested by "the Presidency of the provisional committee of the eleventh International Congress of Medicine, which will be inaugurated in Rome on September 24, 1893," to state "that, in consonance with the Art. 3 and 17 of the General Regulation, all pharmacians may be inscribed as members of the Congress, and that there exist also a special section directed by a committee composed by the most distinguished professors of pharmacology." The conditions of joining are not yet before us, but will doubtless be to hand shortly. At the Pharmaceutical Council on Wednesday the President referred, with evident pleasure, to the fact that pharmacists are ranked with medical men on this occasion.

QUERIES.

Professor Fennel, chairman of the Scientific section of the American Pharmaceutical Association, is of opinion that the plan of issuing queries now in vogue has outlived its usefulness and is out of place in the organisation. That is a very significant admission from such a quarter. Queries and

blue-lists are the incentives to manufacture papers, and while they may be useful to young investigators, they are rarely of assistance in fostering investigation of the greatest usefulness.

PROFESSIONAL INTERESTS IN PARLIAMENT.

It has often been suggested to us that it would be desirable to have an M.P. specially representative of pharmacy, and various schemes have been put forward in our columns to encompass that contingency. Unfortunately the constituencies are perverse enough to select men because they happen to agree with the majority of the electors upon party questions rather than because they are pharmacists or anything else, and, as things go, a man who appealed to the voters primarily on the ground that his profession ought to be represented at Westminster would be pretty sure to come out, as the Americans say, "at the little end of the horn." But in case there should be a sufficient number of free-handed and profession-proud pharmacists to try the experiment, they will have a precedent in the case of the National Union of Teachers, who have succeeded in inducing the Conservatives of West Ham to adopt as their candidate a gentleman who will run expressly as a representative of his particular profession, and towards whose expenses the Union have agreed to provide about 500%. In fairness to their members who differ from the West Ham candidate in politics, the Union will provide a similar fund and give identical support to one of their members who will come forward as a Liberal. If pharmacists could get two candidates upon the same terms, and then pit them against each other in the same constituency, there would be every prospect that the profession would acquire at least one Parliamentary representative.

C₂₇H₄₅O₁₀ OR C₂₈H₄₇O₁₀.

Either of these is good for scammonin: Spigatis gives the first, and Kromer the second. It is a glucoside (as it deserves to be), is levorotatory, melts at 123.6° C., and yields scammonic acid, with more or less of other things, when saponified with alkalis or acids. These are Kromer's facts, and it ought to be said that he differs from Spigatis in some respects; but who would expect a prodigious molecule like Scammonin, containing close upon 300 atoms, to turn up always the same? There are sure to be a few ions out on the loose now and then, without disturbing much the rest of the molecular community.

STANDARDISATION.

Fluid extracts appear to be in a bad way in the United States. At a recent meeting of the Philadelphia Alumni Association, Dr. J. P. Russel made them his text for a homily on standardisation. His figures must have made his hearers wake up. Belladonna extracts of the trade varied in sp. gr. from 0.852 to 0.959, aconite from 0.834 to 1.038, cinchona from 0.964 to 1.136, and nux vomica from 0.870 to 0.912. Of course these preparations contained variable amounts of dry matter as well as more or less spirit, and in alkaloidal percentage they were almost as variable, but not so bad as might be expected. The actual figures were:—

Cinchona extract, 3.95, 1.30, 1.45, 1.85, 1.575, 2.25, and 2.50. Of these the first and the fourth were assayed for quinine, and gave 2.55 per cent. and 0.72 per cent. respectively.

Belladonna, total alkaloids, 0.56, 0.18, 0.58, 0.40, 0.392, 0.40, and 0.48.

Aconite, 0.48, 0.60, 0.40, 0.64, 0.30, 0.36, and 0.36, of a light straw colour and crystalline aconitine.

Nux vomica, total alkaloids, 2.12, 1.76, 2.60, 1.80, 1.00, 1.40, and 1.44.

Dr. Russel's remedy for this sort of thing is a fixed standard for all preparations of the Pharmacopœia that can be standardised, with simple, concise tests; and every druggist, manufacturer, or dealer should, he urged, be compelled to square their actions thereby. But how? If buyers of fluid extracts would insist upon having a proper article they would get it right enough.

ON THE DANGER OF SAFETY MATCHES.

By B. L. PROCTOR.

A FEW weeks ago one of my staff, when lifting down from a high shelf a few packets of patent special safety matches, let two of the packets (each containing a dozen boxes) fall to the floor. This was followed by a sudden burst of smoke from each of them, a result I had not at all anticipated, but which prompted the inquiry how far the matches could be regarded as safety matches, and whether they were really free from phosphorus, as is generally understood.

One thing evidently in favour of safety was that the fire, which destroyed several boxes in each packet, left as many more uninjured. There was fire, but it was all confined within the thin paper wrapper which contained the dozen boxes.

Chemical examination soon proved that the matches did not contain phosphorus, and experiment further proved that the statement was not true which says that the matches will light only on the box.

As this fact was unknown to me up to the present experience, it will probably be new to many others who deal with these articles and who ought to know how far danger may be increased by the supposition that danger does not exist.

It was soon found that by pressing the tip of one match against the tip of another and then suddenly drawing one across the other, one or both of them were ignited. This was no doubt the way in which ignition took place within the boxes, where the match-tips were, of course, in contact, and where that particular short sharp friction would be produced by the concussion of the packet upon the floor.

I find Roscoe and Schorlemmer,* under the head of "Phosphorus," give a formula as follows:—

				Parts
Potassium chlorate	..	..	..	32
Potassium bichromate	..	..	..	12
Red lead	..	..	..	32
Sulphide of antimony	..	..	..	24

This mixture contains no phosphorus, and, as a rule, it will only ignite on a surface strewn with a mixture of amorphous phosphorus and sulphide of antimony. If, however, these so-called safety matches be quickly rubbed over a surface of glass or a smooth sheet of paper, they can be made to take fire.

I do not know whether I had seen Roscoe's statement previous to this little accident, but if so it had not impressed me. Experience is a more emphatic teacher than a text-book.

Previous to my reference to Roscoe I had found it possible to ignite the safety matches upon the pages of the day-book, upon the office window, upon a long palette-knife, upon porcelain jars (glazed or unglazed), and some other materials, a long rapid stroke being most effective. Subsequently I have repeated the experiments and had failures with the same kind of matches made by the same maker. It may be that the matches vary a little in composition unintentionally, or they may change a little with keeping, or it may be that it depends upon the degree of dryness. The matches with which the accident occurred, and which ignited on various surfaces without much difficulty, had been in a warm dry position for a month or so, while those with which failure to ignite with simple friction was experienced had been kept in what might be considered normal conditions—conditions which did not interfere with their lighting on the box, but which made it very difficult, if not impossible, to strike them

effectually upon common materials. After two or three hours' drying before the fire, striking on paper and porcelain again became effective, though not easily so.

The conclusions indicated are:—

That the matches do not contain phosphorus.

That it is not true that they will strike only on the box.

That when very dry concussion may ignite the boxful.

That in case of ignition the fire does not spread readily, as it would do if the matches contained common phosphorus or free sulphur.

That a small degree of dampness which may be considered normal under ordinary circumstances does not interfere with their use according to rule, and renders them practically free from danger.

"DIARY" COMPETITION.

WE have proceeded sufficiently far with the enumeration of the coupons returned from the home districts, to enable us to announce this week the set of advertisements which are deemed, by the general vote, to be the best. They are as follows:—

1. The most effective advertisement:
Burroughs, Wellcome & Co.'s, pages 127-149.
2. The cleverest thing among the advertisements:
Bowers Bros.' "Milk in the Cocoa-nut," page 63.
3. Advertisement which will produce the best result:
Burroughs, Wellcome & Co.'s whole advertisement.
4. The best illustration:
Burroughs, Wellcome & Co.'s Kepler Children, page 127.
5. The happiest trade-mark (design):
Hearon, Squire & Francis's "Heron," pages 186, 187.
6. The best title of a speciality:
"Day's Oil of the Night," page 40.
7. The best page advertisement:
Day & Sons', page 40.
8. The best half-page advertisement:
Guy's Tonic Company, page 399.
9. The best advertisement less than half a page:
Clement Dix's "Norse Sea Cream," page 418.

The voting has been in some instances very close. For the first question Messrs. Burroughs, Wellcome & Co. are far ahead in the running, only two others being in it to a notable extent—viz., Messrs. Day & Sons and Warrick Bros. The second question left Messrs. Bowers Brothers' cocoa-nut high and dry; only one or two other ideas reach 10 per cent. of the votes placed on the cocoa-nut. "Brefit's" price-list is the only thing in the DIARY which the voters put into competition with Burroughs, Wellcome & Co.'s in the matter of *result*, but nearly one hundred other advertisers get votes. There was very close voting in regard to the illustration, and the three Kepler children carry a vote each, and these give them the advantage over the Liquor Carnis Co.'s "Jolly Friar" (page 211). In the fifth problem the heron symbolises happiness, and the bird's long legs have enabled it to out-distance the nun (page 86), and star nymph (page 433), and to scale the tower (page 88)—its only serious rivals. On the sixth question there was also a fairly good fight, in which the appositeness of "Day's Oil of the Night" and the "wee deevies" had the best of it, as also in the seventh tussle. The nurse had an easy victory on the eighth question, but there were five other half-pages which were great favourites, amongst them both on page 49, Messrs. Rowland & Son's (page 22), the policeman's beat on page 150, and the "Bee" Sealing-wax" (page 60). The upper half of Mr. Dix's advertisement had a serious rival in Messrs. Geo. Mason & Co.'s nun, and between them they took about half of the votes on question 9.

We hope to have the work of enumeration finished by next week, when the names of home prize-winners will be announced. This competition will in no way affect the foreign vote.

* "Treatise on Chemistry," 1877, vol. i. page 474.]

RAILWAY RATES AND "SMALLS."

THE following regulations have been published by several of the railway companies as affecting the carriage of "smalls," which are now all parcels of goods not exceeding 3 cwt. The limit was formerly 500 lbs. :—

1. When a consignment of two or more packages (not exceeding 3 cwt.) is comprised of merchandise in two or more classes of the classification, the weight in each class is charged as a separate consignment, unless the charge on the total weight at the highest of such classes be less.

2. When a consignment of two or more packages (not exceeding 3 cwt.) from same consignor to same consignee, is comprised of merchandise in one class of the classification, the whole is charged as one consignment.

3. A package containing merchandise in different classes of the classification is charged at the rate applicable to the highest of such classes.

4. Each package weighing less than 14 lbs. is charged as weighing 14 lbs.

5. Weights over 3 cwt. are charged not less than the charge for 3 cwt.

6. Parcels from different consignors, or to different consignees, are charged separately.

7. If the consignor declines to declare to the company the nature of the merchandise consigned before or at the time when it is delivered to the company for conveyance, the consignment is charged as if it were wholly composed of articles comprised in class 5.

8. The Small Parcels Scale and Regulations do not apply to returned empties as defined on pages 70 and 71 of the General Railway Classification of Goods, 1893.

The pamphlet issued by the railway companies gives in detail the charge for packages of every weight from 1 qr. to 3 cwt., at 14-lb. intervals, on the basis of every ton rate from 3s. 4d. to 150s. The ton rate is got at by classification and by distance. The discrepancies between the "smalls" ratio and the ton ratio are, of course, much greater in the lower-rate tables than in the higher-rated ones. For instance, the carriage of 1 cwt. costs 8d. if the ton rate does not exceed 3s. 4d.; 2 cwt. at the same rate costs 10d.; 3 cwt. costs 1s. So that in this instance 5 cwt., which would also be charged 1s., would be charged (in accordance with the regulations) at above tonnage rates. But in the higher rates a better proportion is maintained. For instance, where the tonnage rate amounts to 100s., the carriage of 1 cwt. costs 6s. 5d., of 2 cwt. 11s. 5d., and of 3 cwt. 16s. 4d. Anyone interested can obtain the rates for any class of goods from his railway-station.

Legal Reports.

INFRINGEMENT OF THE POISONED GRAIN ACT.

ON January 5, at the Guildhall, Bury St. Edmunds, Arthur John Alsop, about 64 years old, pleaded guilty to having offered for sale "certain grain which had been steeped or dipped in poison, or with which poison had been mixed as thereby to render the same poisonous" and calculated to destroy life. Superintendent Clarke said he had received complaints of fowls and cats having been poisoned at different places in the neighbourhood. Defendant urged that for several years he had suffered from bad luck, having been a considerable loser through floods. He assured the Magistrates that to get a "bit of a living" he had to travel hundreds of miles, and hoped the Bench would deal mercifully with him. Defendant, who had previously been convicted of a similar offence, was fined 15s. and 17. 14s. costs.

LEGAL ACTION UNDER THE PHARMACY ACT.—THE SOCIETY NON-SUITED.

At the Liverpool County Court on Wednesday, before His Honour Judge Shand, the Pharmaceutical Society brought an action against W. N. L. Woods, a chemist's assistant, for selling poison, he not being on the Society's register as duly qualified. Mr. Flux, solicitor, of London,

appeared on behalf of the Society, and Mr. Quilliam for the defendant.

Mr. Flux stated that the information was laid under section 15 of the Pharmacy Act of 1868.

John William Jones, the first witness for the Society, stated that, acting on instructions, he called at 345 Scotland Road, Liverpool, in November last, and purchased a pennyworth of laudanum, which was supplied to him by Woods.

In cross-examination, he said he told Woods that he wanted the drug for outside application for toothache. He could not now identify Woods as being present in court.

The Judge asked the witness if he were short-sighted, and he replied that he was not, but his sight was dull.

His Honour directed the witness to walk round the court, and see if he could find him. The witness did so, and arriving at the other end of the court, cried out in a strong Welsh accent, "No, sir; indeed I cannot see him."

At the Judge's suggestion, the witness made a further search, and when standing close to Woods said, "No, I cannot identify the man, your Honour. I cannot see him."

His Honour: You swore that a man named Woods supplied you with the laudanum; how did you know his name?

Witness: I asked the shopkeeper next door, and he said his name was Woods.

Evidence was then given that a small bottle labelled "John Girvan, chemist, 345 Scotland Road," contained laudanum; and Mr. Flux stated that that was his case.

Mr. Quilliam submitted that there was no evidence of identification, and therefore no case.

Mr. Flux said there was no proving that the man was not Woods.

His Honour: No; but you have to prove that it was Woods.

Mr. Flux then said he would call the defendant, who was sworn accordingly, and admitted that he was assistant to Mr. Girvan. He could not say that he had ever seen Jones before, and of course had no recollection of having supplied him with any laudanum.

The Judge: Look at that man. Will you swear you never served him with laudanum?

Witness: I swear that I never saw him before to my knowledge.

Mr. Flux: I must leave myself in your honour's hands.

His Honour: Then the case is not proved, and there must be a non-suit.

THE IRISH PHARMACY ACT AND THE SALE OF POISONOUS PROPRIETARY MEDICINES.

THE further hearing of the charges brought against Mr. Sinelair and Mr. Kell, grocers, of Sligo, in respect of the sale of Fellows's Syrup, was resumed on January 9. The magistrates present were—Mr. F. B. Henn (in the chair), Mr. F. Nelson, and Mr. J. Walsh.

Mr. J. B. Powell, solicitor, appeared for the prosecution, and Mr. W. R. Fenton, Crown Solicitor, for the defence.

Mr. Boyers, pharmaceutical chemist, who at the last hearing had told Mr. Fenton that he could not say if the Fellows's Syrup sold in his shop was labelled "poison," now told Mr. Powell that he had since searched and had ascertained that all the bottles in his stock were labelled "poison."

Cross-examined by Mr. Fenton, the witness said he had been nearly two years in Sligo. He did not himself put labels on Fellows's Syrup. They were all labelled since the beginning of 1892. He expected he had, since he came to Sligo, sold bottles without the poison-label.

Mr. Fenton: When and how was your attention called to this fact of the necessity of these poison-labels?—These prosecutions were the first thing that brought my attention to it; but I knew before that the law required it.

That is the whole point. On your oath have you been in communication with the Pharmaceutical Society about this prosecution?—I have not, sir.

Mr. Fenton then produced bottles sold by other doctors in Sligo without the poison-label, and one from Dr. Boyers with it on. He then asked whether, before the patentees of the syrup so labelled it, did any single man, who bought it wholesale from them, put a label on it?—I could not say.

Did you?—I did not

You bought it as you got it, and sold it as you got it?—Yes.

If such experts as yourself and Mr. Denning might fall into a mistake like that, it is no wonder that ordinary people such as Mr. Sinclair and Mr. Kell fell into a similar mistake.

Sergeant Pearce then produced the register to show that the defendants were not registered pharmaceutical chemists, or chemists and druggists.

This closed the evidence.

Mr. Fenton then proceeded to address the Court for the defendants. He had come to the conclusion that there was some person behind the scenes in the town of Sligo who had the cases brought forward not for the vindication of the law, but for the purpose of gratifying his private wishes.

Mr. Walsh: It may be your opinion; but it was not put before us.

Mr. Fenton went on to say that Sergeant Pearce, for the prosecution, had endeavoured to prove that before the prosecutions were brought, notice was given to Mr. Sinclair and Mr. Kell by a circular which was sent out. Mr. Tighe, who was on the Bench, and was one of the parties affected, said he never got notice of that sort, or if he did he did not recollect it. He would draw their attention to the sort of notice the Pharmaceutical Society gave. It was not fair notice. At least fair warning should be given to respectable persons who may have infringed the law that if they did not desist they would be prosecuted. But what had been done in those cases? Some printed circular was sent out, and he would ask any business man in Sligo, what did they do with printed circulars coming from people of that sort? Was it not sent in to the waste-paper basket? There was no proof that such a notice was sent. It would have been a gracious act on the part of the Pharmaceutical Society if they were going to prosecute people of respectability and high position in the town of Sligo, if they had told Mr. Sinclair and Mr. Kell that they were acting contrary to the law. No such thing as that was done, but Sergeant Pearce, who had done his duty fairly, was employed to go secretly to the premises of the defendants to buy bottles of Fellows's Syrup, and then to bring this suit. He had made a fair offer in the case. He offered to raise no questions, and promised in open Court that his clients would desist from committing any offence against this Act of Parliament—that they would plead guilty in these cases on a reasonable, fair, and proper understanding being come to between both sides, that these prosecutions should be withdrawn, on that honourable undertaking being given in Court. He had suggested that to Sergeant Pearce, and the sergeant had stated there on his oath, and he believed every word of Sergeant Pearce, whether on or off his oath, that he had forwarded this suggestion to the proper quarters in Dublin, but the answer he received was that these prosecutions should be fought out to the last—there was to be nothing but the pound of flesh. They were met in that way. The prosecutors were not satisfied with one summons against defendants, who innocently, if at all, committed an offence of the law, but brought a summons in which the penalty was anything up to 5*l.*, and another in which the penalty could be nothing less than 5*l.* In this they acted most vindictively. He relied for the defence on the question that these summonses did not set out any poison named in the schedule, and contended that his friend, Mr. Powell, could not prosecute without setting such out in the summons. It would not do to say broadly that the defendants had been guilty of selling poison, because there were a hundred poisons that could be sold without incurring liability under the Act. In fact, as they all knew, there was not a single particle of food and drink that did not contain poison of some sort if taken in certain quantities. The prosecutors relied on the law in bringing forward their cases, and he (Mr. Fenton) relied on the law, and felt that he should receive the benefit of any mistake that was made in the bringing forward of the prosecution. People who possessed certain qualifications had sold the medicine without a "poison" label on it. The prosecution had not been brought for the purpose of vindicating the law, but in a vindictive manner, and he raised the question that the charges should be dismissed as they were not brought in a proper form. He was not aware whether his friend Mr. Powell was still open to the suggestion which had been already made, that these prosecutions should be withdrawn

on his clients giving an undertaking not to offend against the law. But if not, and if the prosecutors continued to vindictively rely on the wording of the law, his (Mr. Fenton's) clients were entitled to the fullest benefit of any mistake there might have been made in bringing the charge as to the technical offence.

Mr. Powell, in replying, said he really thought Mr. Fenton was not actually serious when he raised the law point. It seemed to him the inclination of his mind was to hold as it were a pistol to his (Mr. Powell's) head, to say it was loaded and if he did not withdraw the prosecution he would fire. Mr. Fenton was a good lawyer, and he stated to three gentlemen, one of whom was a professional lawyer, that in the summonses it was necessary to detail the particular way in which the law was violated. The summonses had a right to be filled as nearly as possible to the words of the Act of Parliament. He did not think Mr. Fenton was solemn in this objection.

Mr. Fenton: I was solemn.

Mr. Powell, continuing, said that Mr. Fenton was more than usually solemn in raising the point, and it rested with him (Mr. Powell) to say that there was nothing in it. Mr. Powell then quoted the words of the Act, which said that it should be unlawful to sell any poison wholesale or retail in box, &c., without having the word poison on it. Mr. Fenton raised the point that the summons should say that strychnine was the poison. But he submitted that the words of the Act were mere words of description, and not any ægis to the summons at all. This case had occupied considerable time; but it appeared to him due rather to the position of the defendants than to any features of difficulty which the case presented. He might urge that the higher the position of the defendant was, and the more respectable he was, so much the more responsibility was cast upon him to know the law and not violate it. In this particular case, he did not urge this as an argument against the defendants. He acknowledged the high position and respectability of Mr. Sinclair and Mr. Kell, and he was perfectly willing to admit on behalf of the prosecution that those two gentlemen had no intention of violating the law. But nobody knew better than the Crown Solicitor of Sligo that ignorance of the law excused nobody, and if a man of position and respectability unwittingly violates the law he had to take the consequences. A chorus of indignation had been raised against some mysterious personage, but he was not acquainted with the bogie man, whoever he was. (Laughter.) He was instructed by a Society which had received the highest sanction that could be given to any Society—the sanction of the Imperial Parliament of Great Britain and Ireland. The pharmacy laws were adopted originally for the purpose of the protection of the public. To hear his friend holding forth on this prosecution one would imagine that it was a sort of inquisition formed to prosecute gentlemen of position in local towns. It had been proved in the present cases—in fact, admitted by the other side—that a bottle of Fellows's Syrup was exposed for sale in the shops of Mr. Sinclair and Mr. Kell, and that it was sold. It was proved that Fellows's syrup contained strychnine, which was poison. Those were the simple facts of the case. To apply the law in plain language to the cases. It said that it should not be lawful for any person to sell poison without having a poison-label; and that was No. 1 case against the defendants. Then it was said it shall not be lawful for any person except a properly qualified person, a chemist or druggist, to sell any medicine that contained poison. Fellows's syrup contained poison, and Mr. Sinclair and Mr. Kell were not registered chemists. The facts proved had brought the defendants within the meaning and operation of the Act of Parliament, and he left it to the magistrates to say what penalty they thought fit to inflict upon the defendants in the cases.

After some consultation,

The Chairman announced that their decision was that the defendants had been guilty of offences under both Acts of Parliament. They would fine both for the infringement of the 33rd and 34th Victoria 1*s.* and costs, and for the infringement of the 38th and 39th Victoria 5*l.* and costs.

DOVER, the inventor of pulv. ipecac. co., was a pupil of Sir Thomas Sydenham, M.D., in the time of Charles II.

A CENTENARIAN TEETOTAL PHYSICIAN.

IN compliance with an invitation from the President of the Society for the Study of Inebriety, a CHEMIST AND DRUGGIST representative put in an appearance at the Marlborough Rooms, in Regent Street, on Tuesday afternoon. It should not be assumed that the purpose of the invitation was to enable our man, Spartan-like, to study the effects of inebriation from the living subject. Quite the reverse. The audience was strongly imbued with the teetotal leaven, and the hero of the occasion, Dr. Severin Wielobycki, a Vice-President of the Society, has been a total abstainer himself for two-thirds of a century, and would probably have been one from his babyhood but for the untoward circumstance that at that period total abstinence was a thing unheard of in Poland, where the doctor's cradle was rocked.

The expectant and sympathetic audience who filled the room were come to celebrate the completion, which took place on January 8, of the one hundredth year of the old gentleman's life. Ladies greatly predominated in the assembly. Miss Frances E. Willard, the American temperance advocate, fresh from her stirring Exeter Hall reception on the yester e'en, was there; so was Lady Henry Somerset, the Miss Willard of our own country. Canon Duckworth, Rev. Dawson Burns, and Sir William T. Charley beamed from the front rows, Mr. Bowen Rowlands, M.P., smiled across the sandwiches on the tea-table, and Dr. Norman Kerr, white-whiskered and magenta-sashed, did the honours as President of the Society. The interval between the arrival of the audience and of the centenarian was whiled away pleasantly by songs and music, accompanied by a clinking of teacups at the further end of the room, where, as the poet has it, "the steaming and loud-hissing urns sent up their smoky columns."

Severin Wielobycki was born in what was then the Polish province of Volhynia, in 1793. He studied at Wilna University, and, like every other Pole that was worthy of the name, bore himself gallantly in the fruitless wars for freedom that began after the last partition of Poland and ended with the quelling of the last insurrection by Russia. In the winter of 1830, after taking part in thirty-six encounters with the enemy, young Wielobycki fled to the Austrian parts of Poland, and ultimately made his way to Scotland. Heine has sung jeeringly of the Polish refugees, that, to them, to remain alive for the Fatherland was as sweet as to die for it, but could he have been present to see the kindly veteran return thanks at Tuesday's gathering, even his scoff might have been changed to a blessing upon the man whose life has been spent honourably in the service of humanity. In a brief account of the doctor's career, issued by the Society, we find the remarkable statement that, after settling in Edinburgh, he "learnt French (which he taught for a living) by reading the newspapers and Walker's Dictionary." Our representative respectfully gives that up, but, at any rate, there is no doubt that Wielobycki, after many years of dire privation, graduated at Edinburgh, and received the diploma of the Royal College of Surgeons of that city. He has not been forgotten by his Alma Mater, for at Tuesday's celebration an address of congratulation from the Senate of his University was one of several similar expressions of esteem presented to him. With his diploma in his pocket Wielobycki emigrated to Nova Scotia, where he practised for ten years, and then settled in St. John's Wood, London, as a general practitioner. Several friends from that district now testified to the "Polish doctor's" popularity among the poor, and to his unvarying urbanity and kindness. Having become a British subject by naturalisation, the doctor was elected a member of the Marylebone Vestry, upon which he served from 1872 to 1875. At the age of sixty-nine Dr. Wielobycki married a Scotch lady, who, unfortunately, was not well enough to witness her husband's reception on Tuesday.

The pronunciation of the ancient doctor's name seemed to puzzle the audience considerably. According to a Polish friend of ours, from whom we sought enlightenment, "Veelobeachkey," with the accent on the penultimate, is the correct pronunciation. This does not look nice, but it sounds more euphonious than "our venerable friend Willow-Bacey," which is what the speakers, with that easy British habit of fitting all outlandish names to the unyielding

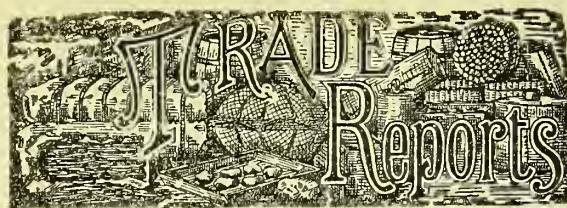
Procrustes-bed of the English tongue, dubbed him of one accord. The ladies and gentlemen whose names we have referred to made some excellent short speeches, rather richly studded with references to Thaddeus of Warsaw, Kosciusko, and the Freedom of Poland. In the course of these the doctor was presented with a handsomely-framed photograph of himself, a fine bouquet, and several addresses. The old gentleman seemed to enjoy this part of the proceedings thoroughly, notwithstanding his deafness, and it was, no doubt, that complaint which enabled him to bear with fortitude the weak and washy flood of speeches that followed, putting to a severe test the patience of that part of the audience who were in full possession of their aural faculties. Speakers, big with their own particular fads of vegetarianism and the like, spouted away in apparent oblivion of the staying powers of the veteran on the platform, and of the fact, patent to all others, that, though they would keep on talking, nobody marked them. When, at last, the guest of the evening rose to return thanks, half the room had emptied. We do not know whether Dr. Wielobycki has any youthful descendants, but it were a pity had he none, for no better figure to practise what Victor Hugo called *l'art d'être Grand Père* could be imagined than that magnificent specimen of the hale and hearty patriarch, tall, broad-shouldered, ruddy, and white-bearded, with the kindly and lovable face and gentle voice. The doctor ascribes his longevity to his abstinence from alcohol and tobacco (both of which he ranked almost equal as poisons), to his moderation in the use of flesh-diet, and to his habit of making long foot-excursions daily. Until two years ago he walked twelve miles (in three four-mile sections) every day, and could be met at the top of Primrose Hill at 5 A.M. with clockwork regularity, rain or shine. He then caught cold through planting bulbs in his garden one snowy winter morning, and is not now so strong as formerly. Still, he remains fairly active, and can speak excellently well, though slowly and with an occasional pause. He does not use spectacles, and there appears to be no reason why, if Nature is allowed to run her course, the doctor should not live to carry a closing message from the eighteenth century to the opening year of the twentieth.

DEED OF ARRANGEMENT.

The following deed of arrangement with creditors has been filed at the Bills of Sale Office, under the provisions of the Deeds of Arrangement Act, 1867. Some of these deeds are for the purpose of carrying out compositions with creditors (and such are specified below), but the great majority of them are "assignments" in the ordinary form, to a trustee or trustees, for the benefit of creditors. The Act referred to expressly provides that registration shall not give validity to any deed which is an act of bankruptcy, and there is no provision in the Act making any of these arrangements binding upon dissenting creditors.

Limon, Henry James (chemist), and **Limon, Thornerlow** (farmer), both of Burgh-on-the-Marsh. Trustee, William L. Richards, Alford, bank manager (and another). Dated, January 5; filed, January 10. Unsecured liabilities, 1,723*l.* 12*s.* 1*d.*; estimated net assets, 599*l.* 1*s.* 9*d.*; creditors fully secured, 2,600*l.* The following are scheduled as creditors:—

	£	s.	d.
Allison, E. & H., Hull	20	13	9
Gray, Thomas, Burgh	18	6	1
Hanson, J. W., Burgh	25	10	11
Hill, R. & J., London	12	8	3
Hodgkinsons & Co., London	64	3	5
Kemp & Son, Horncastle	14	0	9
Lofthouse & Saltmer, Hull	16	4	10
Mackinder, George, Burgh	23	1	6
Newcomb, —, Boston	10	0	0
Rimmington, K., Burgh	11	0	0
Stamford, Spalding, & Boston Banking Co. ..	305	0	0
Sutton & Co., London	79	9	4
Tithes	10	0	0
Tomlinson & Hayward, Lincoln	11	17	2
Walls, Charles, Burgh	52	10	0
Whittaker, Mrs. (Trustees of), Liverpool ..	935	0	0
Wholey, John, Gunby	19	7	3
Wood, H., Alford	10	16	0



Notice to Retail Buyers:—It should be remembered that the quotations in this section are invariably the lowest net cash prices actually paid for large quantities in bulk. In many cases allowances have to be added before ordinary prices can be ascertained. Frequently goods must be picked and sorted to suit the demands of the retail trade, causing much labour and the accumulation of rejections, not all of which are suitable, even for manufacturing purposes.

It should also be recollected that for many articles the range of quality is very wide.

42 CANNON STREET, E.C., January 12.

Queensland Bismuth.

Queensland has now become one of the important sources of the world's supply of bismuth, although at present only one mine is being worked—viz., that of Plateau & Tarrant, at Selheim, in the Ravenswood district. In December, 1891, the property was visited by the Under-Secretary for Mines, who reports that it had upon it 15 engines, representing 30 Horse Power and seven shafts down to 82 feet at deepest. The value of the ore already produced was said to be about 30,000*l*. About 38 tons of hand-dressed ores, averaging 17 per cent. to 18 per cent., has been forwarded, and 5 tons of 30-per-cent. ore was then ready. The property, which embraces 70 acres, belongs to what is known as the "bismuth ring," the London body which controls the sale of the metal. The machinery cost about 7,000*l*., while the entire expenditure on works and mine had been about 15,000*l*. A number of buildings were leased to workmen, and there was a large settlement around the mine.

The total quantity of bismuth raised in 1890 in Queensland was returned at 31 tons, valued at 1,481*l*.; in 1891, 117 tons valued at 11,070*l*.

The Dock Charges on Cinchona Bark.

At the cinchona sales on Tuesday, Mr. Samuel Figgis read a letter from a firm of importers of African cinchona bark in which they complained of the heavy charges made for re-weighing, and suggested that the matter should be brought before the buyers of the drug in order, if possible, to find the means of foregoing the necessity of having the bark re-weighed, in the case of parcels recently landed, in which there is practically no loss. Some little discussion ensued in which Mr. David Howard, Mr. Tabor, and Mr. Broicher took part, and it was ultimately proposed and carried without opposition, "That in future all barks that have been weighed within one month of the date of sale are to be taken and paid for at the landing weights." This will now apply to all barks offered at the cinchona auctions, but it is not clear whether it will do so also to the Loxa, Huanoco, and red barks of the drug-sales. The charge for re-weighing is 4½*d*. per cwt., and for re-housing also 4½*d*. per cwt.

ACID (CARBOLIC).—The prices have again been advanced by the manufacturers; liquid, 95 to 97 per cent. being quoted to-day at 2*s*. per gallon, at which price it is said that several sales have been made. It is also reported that one of the manufacturers himself has been buying back this description up to the rate of 1*s*. 10½*d*. per gallon: 40 per cent. is quoted at 7*d*., 35 per cent. at 6½*d*.; crystals, 40°, at 7*d*.; and 35°, at 6½*d*. per lb.

ALCOHOL.—Prices of best German potato-spirit have slightly hardened, and the quotation is to-day 8½*d*. per gallon for large contracts c.i.f. terms.

ANISE.—Russian anise shows no alteration, and may still be had at 22*s*. to 25*s*. per cwt. according to crop. Ten bags

rather ordinary Russian sold at auction at 21*s*. 6*d*. per cwt. Last Friday 120 cases genuine China *Star-anise* and a parcel of spurious Japanese fruit were offered. They were held for rather high prices, and buyers, therefore, refused to operate, with the result that everything was bought in. China star-anise on the spot is quite nominal; 90*s*. per cwt. would probably be the nearest value.

BALSAM (COPAIBA).—The export of "Balsam" from the port of Maranh in the year ending June 30, 1892, was 33½ tons, valued at 3,676*l*.; in the year 1890-91 it was 21 tons, valued at 3,594*l*.

BLEACHING-POWDER has advanced, and the price is now 8*l*. 10*s*. to 8*l*. 15*s*., London terms.

BUCHU.—At last Friday's auctions holders of *Buchu* leaves showed no desire to accept lower prices, while buyers, on the other hand, hesitated to pay the high rates that ruled at the last December auction. For fair low greenish leaves 1*s*. 9*d*. per lb. was paid, and for ditto round, 1*s*. 1½*d*. per lb., but only a couple of bales were sold. There have been no further arrivals of any consequence.

CALUMBA.—In demand at high prices. Of 184 bags offered 154 sold at 67*s*. 6*d*. per cwt. for good bright pale-yellow washed, and 23*s*. to 24*s*. for fair yellow to small and dusty mixed sorts.

CAMPHOR (CRUDE).—Under date of December 8, we hear from China that the stock of Formosa camphor there amounts to about 1,000 boxes, which are not offered for sale, however, but will be shipped to Europe on account of the importers. The London market is firm but quiet, 180*s*. per cwt. is the spot price for old dry *Japan* camphor, but some newly landed has been offered at 175*s*. per cwt. *China* is quoted at 165*s*. per cwt.

CANARY-SEED keeps very firm, in spite of the fact that supplies from *Morocco* continue to find their way here, although the total shipments for that country this season are expected to fall below the average. The value of this kind of seed is now from 77*s*. 6*d*. to 83*s*.; that of *Turkish* from 77*s*. 6*d*. to 80*s*. Of *Spanish* canary-seed 237 bags were partly sold at auction at 78*s*. to 81*s*. for fair to good fair.

CARDAMOMS.—The comparatively small supply offered last Friday sold at an advance of 1*d*. to 3*d*. per lb. all round, fine qualities fetching very high rates. The following were the quotations at which about one-third of the supply sold, the remainder being held for firm rates:—*Ceylon Mysore*, fine bold, 4*s*. 3*d*.; good bold, 3*s*. 1*d*. to 3*s*. 4*d*.; medium and bold, 2*s*. 3*d*. to 2*s*. 7*d*.; medium, 1*s*. 10*d*. to 1*s*. 11*d*.; lean medium, 1*s*. 5*d*. to 1*s*. 7*d*.; pickings, 1*s*. 2*d*.; seeds, 1*s*. 5*d*. to 1*s*. 6*d*. *Wild Ceylon*—good bold, 2*s*. 3*d*. to 2*s*. 4*d*.; small medium, 1*s*. 4*d*. *Malabar*—Dull medium, 1*s*. 5*d*.; pickings 1*s*. 1*d*. per lb.

CHIRETTA has become very scarce, and from 7*d*. to 9*d*. per lb. according to quality is now asked by the holders.

CHLORATE OF POTASH.—Steady. It is said that it is still possible to buy at 8½*d*. for January, but in other quarters we have 8½*d*. quoted. The quotation for February is given at from 8*d*. to 8½*d*. per lb.

CINCHONA.—The first periodical auctions of the year were rather less extensive than might have been expected. The catalogues comprised of:—

	Packages	Packages
Ceylon cinchona	760	of which 535 were sold
East Indian cinchona	1,378	" 1,185 "
Java cinchona	101	" 66 "
West African cinchona	607	" 607 "
South American cinchona	79	" 79 "
Cuprea bark	435	" — "
	3,360	2,472

Besides the Cuprea bark, of which the withdrawal was almost a foregone conclusion, rather over 20 per cent. of the Eastern barks was bought in, as the bids failed to approximate the limits. The assortment was a moderately good one, East Indian *Officialis* barks being plentiful, yet 8*d*. per lb. was the highest price realised for any lot. In accordance with general expectation, competition remained very slack throughout the sales, and the total result may be summed up as a not very heavy decline on manufacturing:

barks, the nearest average unit value being now $1\frac{1}{16}d.$ per lb. Druggists' barks, however, which were very strongly represented, were in comparative request, and for a large parcel of West African bark very good prices were realised. The following are the approximate quantities purchased by the principal buyers:—

	Lbs.
Agents for the Auerbach factory	144,750
" Mannheim and Amsterdam works	91,633
" Brunswick factory	57,149
" American and Italian works	50,267
" Frankfort o/M. and Stuttgart works	47,379
Messrs. Howards & Sons	39,604
Agents for the Paris factory	12,600
Sundry druggists	86,360
Total quantity of bark sold	529,742
Bought in or withdrawn	164,575
Total quantity offered	694,317

It should be well understood that the quantity of bark bought gives little or no clue to the quinine represented by the purchases, as firms who buy little will sometimes bid for rich barks only, and *vice versa*. The following are the prices paid for sound bark:—

CEYLON CINCHONA.—*Original*—Red varieties: Poor and woody to good bright quilly branch and stem chips, $1\frac{1}{2}d.$ to $3d.$; fine ditto, $3\frac{1}{2}d.$; woody and dusty to good bright root, $1\frac{1}{2}d.$ to $4\frac{1}{2}d.$; fair spokeshavings, $2\frac{1}{4}d.$ per lb. Grey varieties: Ordinary to fair stem and branch chips, $1\frac{1}{2}d.$ to $2\frac{3}{4}d.$ per lb.; low to good strong root, $1\frac{1}{2}d.$ to $5\frac{3}{4}d.$ per lb. Hybrid shavings, $3d.$ per lb. *Renewed*—Ordinary to good bright red shavings, $2\frac{1}{4}d.$ to $3\frac{1}{2}d.$ per lb.; fair to good bright ditto stem and branch chips, $2\frac{3}{4}d.$ to $3\frac{1}{4}d.$ per lb. Grey chips, $3\frac{1}{2}d.$ to $5d.$ per lb.

EAST INDIAN CINCHONA.—*Original*—Red varieties: Very poor twigs and medium partly quilly stem and branch chips, $1d.$ to $2\frac{1}{2}d.$ per lb.; poor to fair spokeshavings, $1\frac{1}{2}d.$ to $2\frac{1}{2}d.$ per lb.; fair root, $2\frac{3}{4}d.$ per lb. Grey varieties: A very large quantity of ordinary to good bright quilly stem and branch chips, $2\frac{1}{4}d.$ to $4\frac{1}{2}d.$; dull twigs, $1d.$ to $1\frac{1}{2}d.$; good to fine bright quilly chips, $5\frac{1}{2}d.$ to $8d.$; ordinary weak branch chips, $1\frac{1}{2}d.$ to $2d.$; root, from $3d.$ to $7d.$ per lb. Yellow varieties: fair to good bright stem and branch chips, $2\frac{1}{2}d.$ to $4d.$; medium to fine bright quilly chips, $4\frac{3}{4}d.$ to $7d.$; dull root, $2\frac{3}{4}d.$ per lb. Hybrid chips, $1\frac{1}{2}d.$ to $2\frac{1}{2}d.$; root, $2\frac{1}{4}d.$ per lb. *Renewed*—Red varieties: Dull and dusty spokeshavings, $1\frac{1}{2}d.$ to $1\frac{3}{4}d.$. For fine chips $5d.$ per lb. is required, an offer of $4\frac{1}{2}d.$ per lb. being refused. Grey varieties: A large quantity of fair to good bright stem and branch chips, $4d.$ to $6\frac{1}{2}d.$; ordinary to good shavings, $3\frac{1}{2}d.$ to $6d.$ per lb. Yellow chips, $6d.$ per lb.

JAVA CINCHONA.—Good yellow chips, $4\frac{1}{2}d.$ per lb.

WEST AFRICAN CINCHONA.—Good partly thin and broken red druggists' quill, sound, $3d.$ to $3\frac{1}{2}d.$; slightly damaged, $2d.$ to $4d.$ per lb.

SOUTH AMERICAN CINCHONA.—Fair medium cultivated quill from the Bolivian plantations, $6d.$ to $7d.$; damages, from $5\frac{1}{2}d.$ to $6\frac{3}{4}d.$ per lb.

CUPREA BARK.—About 25 tons (435 bales) of this bark, imported nine or ten years ago, were offered, but all bought in, only nominal offers being obtainable.

Of 16 bales South American red bark from Ecuador offered last Friday, 8 sold at from $4s.$ down to $2s. 3d.$ per lb. for split and broken quill, rather damaged, and poor in colour.

CIVET.—For 2 horns $8s. 6d.$ per oz. was accepted on Friday last.

CLOVES.—Zanzibar cloves sold at somewhat easier rates last Friday, and they have since been fluctuating, the market being in a highly sensitive condition owing to the manoeuvring of rival sets of speculators. On Wednesday of this week no cloves of this description were offered for sale, but privately $4d.$ per lb. was touched on the spot, while for delivery business was done at $3\frac{7}{8}d.$ to $4\frac{1}{16}d.$ per lb. according to position, the nearest months being the lowest in price. To-day prices are again rising.

COCOA-BUTTER.—At the monthly auctions on Tuesday 250 cases of Cadbury's brand sold at from $12\frac{1}{2}d.$ to $12\frac{3}{4}d.$ per lb., an advance of about $\frac{3}{4}d.$ per lb. upon the previous sales. Five cases 3-oz. cakes brought $13\frac{3}{4}d.$ per lb.

CONDURANGO.—Sixteen bales out of a parcel of 48, all damaged, sold last Friday at $4\frac{1}{2}d.$ to $6d.$ per lb. From Hamburg we hear that heavy supplies are expected.

ERGOT OF RYE.—Rather dull and wormy Spanish ergot sold last week without reserve at $1s. 6d.$ to $1s. 7d.$ per lb. Since then it is said that there has been more inquiry, though prices show no improvement.

FENUGREEK-SEED.—Rather higher; fine Morocco has sold at $11s. 6d.$ per cwt., and for Bombay $9s. 6d.$ is the price.

GALANGAL is firm, with small sales at $22s.$ per cwt.

GALLS.—China galls have been in demand for shipment, and business is reported at higher rates, $47s.$ to $48s.$ c.i.f. terms, for January-February steamer shipment. On the spot $56s.$ per cwt. is the closing quotation for good quality, and business to the extent of 75 cases is reported at that figure. At auction this week 45 cases China galls were bought in at $60s.$ per cwt. Blue Bassorah galls have been in better demand, with fair sales at $56s.$ per cwt.; for green galls, $49s.$ per cwt. has been paid. All Smyrna galls have been bought up.

GENTIAN.—In fair demand, with sales at $16s. 6d.$ per cwt. for fair French at the last drug-auctions.

GINGER has continued to advance rapidly since our last report, both for *Cochin* and *Jamaica* kinds. At auction on Wednesday small supplies of *Cochin* were firmly held, and only 20 bags ordinary dull washed rough sold at $57s.$ For *African* $38s.$ was paid.

GUM ACACIA.—There is no alteration to report in *Soudan* gums, for which there has been a limited inquiry. The stock in Liverpool is said to comprise but a small proportion of good soft kinds, and is firmly held. At auction to-day 323 packages were offered, a small proportion of which sold at $62s.$ to $65s.$ for fair ambery sorts, $90s.$ to $97s. 6d.$ for dull selected Alexandrian, and $72s. 6d.$ for ditto reddish drop. Of *East Indian* gums *Ghatti* is higher and scarce: fine pale drop sold at $55s.$, ordinary to medium at $27s.$ to $31s.$, common red, $23s. 6d.$ per cwt. *Cawnpore-Amrad* is firm, with an occasional advance of $1s.$: fair to good, $31s.$ to $36s.$; fair ambery to fine pale *Kurrachee* brought $46s.$ to $59s.$ *Aden* gums were from $3s.$ to $5s.$ lower; ordinary sorts brought $30s.$; fair to fine bright, $35s.$ to $48s.$ per cwt. Common dark to fair red *Australian* sold at $24s.$ to $29s.$ per cwt. The shipments of *Brazilian* acacia gum in the year 1891-92 (ending June 30) from Maranhão show a large increase over those of the preceding period, the figures having been 279 and 90 tons respectively. From Bassorah (Persian Gulf) the gum-exports in 1891 were 4,821 packages, valued at $51,484l.$, and in 1890 6,018 packages, valued at $49,593l.$

GUM ASAFÆTIDA.—The greater part of the consignment of 137 cases offered at auction last Friday sold at a decline of about $15s.$ per cwt. The quality was on the whole excellent, and the prices ranged from $92s. 6d.$ for loose yellowish drop and fine pinky block to $70s.$ to $80s.$ for fair to good; $80s.$ to $82s. 6d.$ for blocky and dark mixed drop, and $65s.$ to $67s. 6d.$ for greyish almondly block.

GUM OPOPONAX.—Another consignment of 4 cases has arrived from Bushire.

GUM TRAGACANTH.—The supply is very small, and for fine first Bagdad gum $13l.$ has been paid, $13l. 10s.$ being now asked. Common and medium kinds are scarce and sought after.

INDIGO.—A Calcutta report, dated December 21, says:—"The market continues very firm and all qualities are eagerly competed for, very little remaining unsold at present."

IPEACACUANHA.—*Rio* root sold at a decline of about $1d.$ per lb. at the last auctions—viz., from $7s. 5d.$ per lb. for good sound downwards. For the large quantity of *Cartagena* root offered a reduction in value of about $4d.$ to $5d.$ per lb. had to be accepted, and the prices ranged from $4s. 6d.$ per lb. for good stout slightly damaged, down to $3s. 1d.$ per lb. for very common. Since the auctions the market has been firm, with small sales at full, and for *Cartagena* at rather dearer prices. The stock of the latter kind is said not to exceed 30 bales in first-hand.

JALAP.—Steady, with sales at auction at 1s. 2d. to 1s. 6d. per lb. for mouldy to sound but rather small mixed Vera Cruz.

LITHIA SALTS.—*Carbonate of lithia* is still held at about 11s. per lb. It is expected that the French manufacturers will shortly fix their prices, and that higher rates may be seen.

LYCOPodium has eased off; fine sifted *Russian* is offering at the rate of 1s. 9½d. per lb. "c.i.f." terms.

MUSK was in good demand at last Friday's auctions, and realised full prices. There was but little of fine quality pod musk offered. Of 26 tins *Tonquin pods* 18 sold at 78s. per oz. for fine thin blue and grey skin and underskin, well trimmed, slightly damp; 60s. for fair old-fashioned thick-skinned first pile; and from 30s. to 34s. for partly adulterated third-pile pods. In China musk is said to be scarce.

OIL (CASTOR).—At auction on Friday last, 70 out of 369 cases East Indian oil offered sold cheaply at 3d. per lb. for first, and 2½d. per lb. for second Calcutta. A Calcutta correspondent writes, under date of December 21, that there is a little more business doing, and the market closes firm at somewhat higher rates, with greatly reduced stocks.

OIL (COD-LIVER).—Samples of what is described as new season's Norwegian oil have been received; the quotations are 75s. to 76s. c.i.f. terms, for best non-congealing. From another quarter we hear that sales have already been made of the same kind at 72s. ex wharf, and that there has been also a good demand for old oil at 67s. 6d. to 70s. per barrel.

OIL (OLIVE).—We hear from Italy that the prices of oils are still rising there, and that as soon as the spring demand sets in much higher quotations are expected for fine-eating oils. Finest *Luca* is now held at 80l. per tun of 252 gallons, or, say, equal to 6s. 9d. per gallon in London.

OILS (ESSENTIAL).—Last Friday 5 bottles *Ylang-Ylang* sold at 11s. per oz. *Eucalyptus oil*—the whole of the heavy supply at the recent drug-sales was bought in at from 2s. 6d. to 2s. 9d. per lb. for Australian, and 3s. 3d. per lb. for Natal oil. The prices of various minor essential oils have recently undergone alterations. We quote some of these changes: Advanced—oil of *Ginger*, to 18s. per lb.; oil of *Hops*, to 11s. 6d. per oz. Reduced—*Angelica* oil, to 60s. per lb.; *Celery* oil, to 28s. per lb.; *Coriander* oil, to 22s. 6d. per lb.; *Cubeb* oil, to 14s. per lb.; *Lignoloes*, to 10s. per lb. for rectified; German *Rue*, to 16s. per lb.; and genuine *Wintergreen* oil to 8s. 6d. per lb. It is reported from Hong Kong, under date of December 8, that fine quality *Cassia* oil is not to be had at present, while several parcels recently brought in from the country have had to be rejected on account of inferiority in the percentage of cinnamic aldehyde. On the spot the quotation is 3s. 2½d. to 3s. 3d. per lb., which is slightly lower; and to arrive there are sellers at 2s. 8d. to 2s. 10d. per lb. c.i.f., according to quality. The stock of Japanese *Peppermint* oil is said to be small here, and the demand is good—6s. 7½d. to 6s. 9d. per lb. is the spot, and 6s. 1d. per lb. the c.i.f. price. American oil dull and neglected; HGH at 11s. 4½d. per lb., with small occasional sales at that figure. *Star-anise* oil has been sold at 5s. 10d. per lb. on the spot; and for arrival the price is 5s. 4d. per lb. c.i.f. terms. *Otto of rose* is firm, and all the good-quality oil is said to have been disposed of in Bulgaria. Oil of *Lemon* is firm, and so are other Italian essential oils.

OILS (EXPRESSED).—*Croton* oil has been lowered to 2d. per oz., sweet oil of *Almonds* to 1s. 6d. per lb., and oil of *Peach kernels* to 8d. per lb. by some makers.

OPIMUM.—The London market is very quiet, with little business. Soft shipping kinds are very scarce, and there is little offering of them. Prices asked run from 10s. to 11s. 6d. per lb. A Smyrna correspondent writes under date of December 31:—About 350 cases of opium have been sold this month, the value to-day being for new Yerli opium, 7s. 11d. to 8s.; new Current opium, 7s. 8d. to 7s. 9d.; new Yerli talequale, 7s. 7d. to 7s. 8d.; slightly talequale, 7s. 6d. to 7s. 6½d.; Current talequale, 7s. 3d. to 7s. 4d.; old selected talequale, 7s. 5d. to 7s. 6d. per lb., f.o.b. Our large dealers still refuse to sell at these quotations, but needy holders are compelled to do so to create funds for their weekly requirements. We have had a good deal of rain of late, and fine weather is now

needed for the second opium sowings, which can be carried out at this season of the year. The third and last sowings take place in March, but are seldom successful unless we have a very wet spring, and this is applicable to our crops in general. The position of our Smyrna market to-day is as hereunder: Old stock remaining on hand July 1, 1892, 750 baskets; arrivals to date, 3,700—total, 4,450 baskets. Sales to date, 2,150 baskets; leaving 2,300 baskets, or, with the stock held in second hands for re-sale of 300 baskets, a total stock unsold of 2,600 baskets—equal to about 2,400 cases—besides which it is reported that 800 to 1,000 baskets still remain over in the producing districts. A Constantinople report, dated January 3, states that the market there, in sympathy with Smyrna, has further declined during the past fortnight down to 6s. 11d. to 7s. 2d. f.o.b. for druggists, and 8s. 4d. to 8s. 8d. f.o.b. for soft grades. It is a notable fact, however, that for the moment it is only the petty dealers that will sell at these prices, large holders as a rule absolutely refusing to part with their goods at to-day's values pending further development. If American buyers continue to operate in Smyrna their purchases will, without doubt, have a reassuring effect on the producing markets in general, and a small rise may probably be the result. The continuous rains are checking the early winter sowings.

PEPPER.—*White* kinds have been in demand at somewhat firmer rates, Siam being specially favoured by buyers. At auction, however, the demand was slack, and the only sales made were in fine bold *Tellicherry* at 6½d. per lb. *Black* pepper is quiet, with sales at auction at 3½d. per lb. for fair Singapore, and 3¾d. per lb. for ditto *Tellicherry*.

QUININE.—Our market remains exceedingly quiet, and prices, if anything, are rather lower. There are no buyers of German second-hand bulk over 8¾d. per oz., but nothing can be had, we should think, below 9½d. to 9¾d. per oz. The makers' quotations are as follows:—*Howards*: Vials 1s. 2d. to 1s. 3d.; tins, 1s. 1d. to 1s. 2d. *Whiffens*: Vials, 1s. 2d.; tins, 1s. *Pelletiers*: Vials, 1s. 4½d. *Milan*: Vials, 1s. 1d.; tins, 11d. *Frankfort and Stuttgart*: Tins, 11d. *Auerbach and Brunswick*: Tins, 10½d. *Mannheim*: Tins, 10d. per oz.

RHUBARB.—Of over 200 cases offered at the last drug-sales rather less than one-third sold at low prices, and occasionally rather easier. The following were the quotations:—*Shensi*, round bold bright good fracture, 2s. 7d.; medium ditto, 2s.; dull, 1s. 4d. to 1s. 5d.; small trimming, 2s. 5d.; pickings, 11½d. to 1s. 3d. *Canton*, bold round good fracture, 1s. 5d.; bold flat, 1s. 4d.; medium, 1s. 3d.; medium and bold dark and wormy, 11d. to 1s.; small round trimming, 1s. 6d.; pickings, 11½d. to 1s. *Shensi—High-dried* dull medium, 9½d. to 9½d. *High-dried*, fair and good bold, 1s. 1½d. to 1s. 3d. per lb.

SARSAPARILLA.—Good sound *grey Jamaica* root sold at firm prices last Friday, viz., 1s. 7d. per lb. for sound, and from 1s. 5d. to 1s. 6d. per lb. for damaged.

SEEDS (VARIOUS).—*Hempseed* keeps very firm for all kinds, and fine bold qualities are becoming exceedingly scarce. From 32s. to 33s. per 3 cwt. is the current price. *Rapeseed* remains quiet at 48s. 6d. to 50s. for Dutch, and from 45s. to 48s. per 416 lbs. for French seeds. *Cumin*, *Caraway*, *Fennugreek* and *Mustardseed* are without alteration. *Linseed* very well kept up at from 40s. to 42s. 6d. for Russian, East Indian, and River Plate, and 54s. to 56s. for Sicilian kinds (all per 416 lbs.). *Coriander* is selling at 11s. per cwt.

SENXA.—*Tinevelly* leaves, of which only 257 bales were offered last Friday, sold at an advance of ½d. to 1d. per lb., with good competition, 6d. to 7½d. per lb. being paid for medium to bold greenish sound; 3d. to 5½d. for small and medium yellowish mixed, and 1½d. to 2½d. for common small and blackish. Dark *Tinevelly pods* brought from 1½d. to 2d. per lb.

SHELLAC.—The market last week closed very firmly, with a continuation of the strong demand for *Button lac*. At the public auctions on Tuesday the heavy quantity of 1,560 cases, which was only two-thirds of what had been declared, came under the hammer. Altogether 1,088 cases sold, with excellent competition, at an advance of about 5s. on *Second orange*, 5s. to 6s. on *Garnet*, and from 15s. to 20s. per cwt. on *Button lac*. The following were the quotations: Fine orange—good pale, 112s. 6d.; hard block, 99s. Second orange—worked,

hard block to good bright free, 86s. to 98s.; unworked, reddish livery to good pale, 94s. to 100s. per cwt. Garnet—good worked AC, 89s. to 90s.; unworked, cakey to free, 86s. to 88s. per cwt. Button—unworked firsts, 120s.; seconds, 112s. 6d.; “circle seconds” to resinous fourths, 105s. down to 90s. per cwt. Under date of December 21 we hear from Calcutta that there has been a good deal of excitement in the market, chiefly, it appears, in consequence of speculative purchases. The *bona-fide* orders executed for shipment to England and the States have been slight in extent. The supplies in Calcutta and the up-country appear small, and there is but little offering. To-day 97s. 6d. was paid for TN orange, February and March delivery.

SODA.—Crystals have been reduced in price, London-make being now 61s. per ton and Tyne-make 62s. 6d. ex ship in London, and the same price f.o.b. Liverpool.

SOY is still rising, the whole stock being now concentrated in one hand; 2s. per gallon is now asked for China.

SQUILLS are dearer, and some of very middling quality only have been sold, at 4d. per lb.

TEA.—The market is steady this week, though not dearer. A fair trade is being done in the country by dealers, and so long as commonest Kaisow can be bought at 5½d. and fair Panyongs, Soomoos, and Monings at 6¾d. to 7d. prices cannot be considered excessive. Some good liquoring new makes have been sold at 6½d. to 7d., and very useful capers 7d. to 8d. Lowest grades of last season's caper are steady at 4d. to 4½d. Indians and Ceylons are in very plentiful supply, and here and there have been picked up at rather easier rates, though on the whole the tone is fairly firm. A good deal of tea, however, is “over” in brokers' hands, and if it so remains for long the market will soon show signs of “sickness.” Fine Indians, broken and leaf, are in excessive supply and cheap, but there are very few standard Ceylons, and they are keenly competed for.

THYMOL has been reduced to 11s. per lb. for crystals.

TONQUIN BEANS.—Prime frosted *Angosturas* are tending easier, and offer from Hamburg at 6s. 6¾d. per lb., c.i.f. terms. There has been a good inquiry for *Pará* beans, and they are well held at 2s. 9d. to 3s. per lb. for fine frosted, and 1s. 6d. per lb. for black.

TURMERIC remains quiet but steady, with sales of *Bengal* at 23s., and of split *Cochin* bulbs at 9s. per cwt. *China* sold at a decline on Wednesday, when 21s. was accepted at auction for 60 bags of fair finger.

VERATRINE is still advancing in consequence of the continued rise in cevadilla-seed. The price has now reached 80s. per lb. The Hamburg quotation for cevadilla is 1s. 8d. per lb., “stock almost exhausted.”

THE LIVERPOOL MARKET.

ANISE.—Sales of old crop *Russian*, good sound, at 21s. per cwt. are reported.

CALABAR BEANS.—Eighteen bags just arrived sold at 2½d.

CANARY-SEED.—There has been more inquiry for Turkish during the week, and holders now ask 75s. to 80s. per 464 lbs.

CHILLIES.—*Sierra Leone* descriptions continue to arrive, and sales have been made at 42s. 6d. for bright red, lower bids having been refused.

GUINEA-GRAINS.—Small sales have been made at 25s. per cwt.

GUM ACACIA.—The movement of last week has been continued, and a steady business has been done at hardening prices.

OIL (CASTOR).—The *Calcutta* market has improved perceptibly, and 2½d. to 2¾d. per lb. is now asked on the spot, while higher rates are being quoted forward. First pressure *French* is firmly held at 2¾d. to 2½d.

TURPENTINE is firmer, and 22s. 9d. now lowest price on the spot.

WAX (BEES').—In much better demand, and sales have been made of good grey, 6l. 7s. 6d.; reddish yellow, 6l. 15s.; and for fine yellow, 7l. 5s. to 7l. 10s. is asked.

THE 'AMSTERDAM CINCHONA AUCTIONS.

(Telegram from our Correspondent.)

AMSTERDAM, Thursday Night.

AT to-day's bark sales a considerable proportion of the Java cinchona offered was bought in, only 3,690 packages being sold at an average decline of about 5 per cent. on the preceding auctions, the unit being now 5.80c., or equal to just 1d. per lb. Manufacturing barks in chips, broken quill, and dust brought from 5c. to 80c. (equal to 1d. to 1s. 2½d.); ditto root, 15c. to 41c. (equal to 2¾d. to 7¼d.); druggists' barks in broken and whole quill, partly very fine, from 10c. to 122c. (equal to 2d. to 1s. 10d.);—ditto root, 10c. to 16c. (equal to 2d. to 3d. per lb.) The principal buyers were the Mannheim, Brunswick, and Auerbach Quinine-works, Mr. Gustav Briegleb, and Messrs. Matthes & Bormeester.

THE NEW YORK MARKET.

(Cablegram from our Correspondent.)

NEW YORK, Wednesday night.

THE only alteration of importance in our market this week is an advance in the price of *Guarana*. The position of *Cascarilla* is exceedingly firm.

THE SMYRNA OPIUM MARKET.

(Cablegram from our Correspondent.)

SMYRNA, Wednesday night.

THE opium sales since our last message amount to 70 cases ordinary kind of *Talequale* opium at the parity of 7s. 4d. to 7s. 5d. per lb., f.o.b. Smyrna.

Gazette.

PARTNERSHIPS DISSOLVED.

Foster, W., and Lewis, J., Northampton, soda and aerated-water manufacturers.

Priestley, C. E., and de Butts, A. J., under the style of Priestley & de Butts, Folkestone, general medical practitioners.

Howorth J., and Parkin, C., under the style of Howorth & Parkin, Doncaster, chemists and druggists.

Powell, H. C., and Brocksopp, W. H., under the style the Shropshire Oil and Manure Company, Stinchley, oil and artificial manure manufacturers.

Matthews, A. M., Cooper, C. H., and Matthews, A. A., under the style of Matthews & Cooper, Bradford, dental surgeons; as far as regards A. M. Matthews.

Mathieson, N., Gossage, F. H., Timmis, T. S., and Mathieson, T. T., under the style of N. Mathieson & Co., Widnes, alkali manufacturers.

Lea, C. W., Perrins, F. S., and Perrins, C. W. D., under the style of Lea & Perrins, Worcester and New York, manufacturers of Worcestershire sauce; as far as regards C. W. Lea.

King, J., and Ford, J., under the style of King & Ford, Eltham, general medical practitioners.

Hayle, T. H., and Steinthal, W. O., under the style of Hayle & Steinthal, Rochdale, medical practitioners.

Long, H. P., and Tuthill, A., under the style of Long & Tuthill, Maidstone, surgeons.

Walsh, T. W., and Walsh, W. A. S., under the style of Walsh & Son, Worcester, surgeons.

THE BANKRUPTCY ACTS, 1883 AND 1890.

ADJUDICATION.

Sinzininx, Arthur, late of Stoke-upon-Trent, now Pontblyddyn, near Mold, Chemist.

LONDON DRUG STATISTICS.

THE following figures refer to the stocks of drugs in the port of London on December 31, 1892 and 1891, and to the imports and deliveries during the years 1892 and 1891.

Article	Stocks		Imported		Delivered	
	1892	1891	1892	1891	1892	1891
Aloes .....cs & pkgs	5,803	7,102	2,652	2,410	3,951	5,043
"gourds	801	1,105	277	425	581	495
Anise, star .....chts	239	42	472	425	275	430
Arrowroot .....cks	5,297	2,928	16,576	11,797	14,205	15,751
"bxs & tins	433	953	1,675	901	2,195	2,083
Balsams .....cks, &c.	1,369	1,565	1,119	1,436	1,294	2,039
Bark (Cinchona),						
S. American cases	56	372	71	21	387	57
"bils, &c.	22,958	26,511	12,826	11,678	16,359	11,358
E. I., Ceylon, and						
Java .....cs	142	248	264	529	370	563
"bils, &c.	15,739	22,011	33,200	38,092	39,473	40,355
Borax .....pkgs	261	261	—	85	—	85
Calumba "	500	647	1,239	230	1,386	864
Cambor "	2,727	4,327	8,429	8,656	10,029	9,931
Cardamoms .....chts	553	443	2,822	2,133	2,716	2,311
Coccol .....bgs, &c.	687	490	1,098	493	901	228
Cream of tartar .....cks	10	10	6	35	6	48
Cubebs .....bgs	319	94	771	308	536	457
Dragon's Blood .....chts	118	99	243	173	224	178
Galls, China, &c. ....cs	522	1,629	2,053	1,272	3,160	2,264
Trky & Prsn. ....sks	2,237	2,296	3,251	8,784	3,308	9,992
Gums—						
Ammoniac .....pkgs	146	64	279	46	215	45
Anini & Copal						
pkgs	9,980	6,000	18,067	12,966	14,062	15,417
Acacia "	12,130	17,370	23,756	25,929	28,947	24,994
Asafetida "	84	521	278	38	714	348
Benzoin "	2,105	3,027	2,655	3,464	3,577	3,356
Damar "	3,582	4,274	3,828	4,670	4,510	6,992
Galbanum "	31	36	1	43	6	37
Gamboge "	157	35	459	221	337	216
Guaiacum "	195	127	274	371	206	245
Kino "	2	7	10	33	23	59
Kowrie .....tms	1,017	1,040	3,150	3,366	3,177	3,064
Mastic .....pkgs	13	31	3	40	21	27
Myrrh "	219	360	320	575	470	637
Olibanum "	2,338	4,208	6,874	7,228	8,734	7,412
Sandalac "	949	434	1,787	1,416	1,270	1,185
Tragacanth "	798	3,687	4,612	5,513	7,043	7,260
Guttapercha .....tms	2,645	2,601	1,972	2,425	1,925	1,876
Indiarubber, E.I. "	167	278	749	975	864	883
Madagascar "	112	105	352	400	353	389
S. American "	50	59	273	236	279	226
African, &c. "	203	255	434	453	465	489
Ipecac .....cks & bgs	711	415	1,938	1,297	1,642	1,133
Jalap .....bils	56	37	376	203	357	276
Lac Dye .....chts	4,887	4,970	—	—	83	124
Nux Vomica .....pkgs	618	465	3,296	1,839	3,143	1,982
Oils—						
Castor .....cks	135	75	631	692	574	773
"tms	1,700	3,405	2,914	7,643	4,613	6,095
Cocoa-nut .....cs	772	1,974	2,922	5,538	4,134	4,729
Olive .....cks, &c.	527	776	2,591	3,705	2,840	3,573
Palm .....tms	9	22	86	85	93	71
Rhubarb .....chts	1,007	407	1,926	975	1,326	140
Safflower .....bils, &c.	58	221	71	30	234	160
Sarsaparilla .....bils	465	329	1,254	1,072	1,116	1,049
Senna .....bils, &c.	1,541	2,886	3,159	3,540	4,469	4,564
Shellac "						
Orange						
chts, &c.	20,294	26,837	26,021	25,472	32,488	34,653
Garnet "	3,864	1,534	11,823	5,446	9,892	7,953
Button "	3,426	6,600	8,065	10,933	11,126	9,829
Total .....tms	27,584	34,971	45,909	41,851	53,506	52,435
Sticklac .....chts, &c.	309	352	943	480	987	2,247
Gambier .....tms	507	1,495	11,577	11,553	12,563	10,973
Cuteb .....tms	2,221	2,373	2,657	1,869	2,809	2,409
Turmeric, Beng. ....tms	60	445	89	—	474	833
Madras, &c. "	166	120	719	92	668	471
Total .....tms	226	565	808	92	1,142	1,304
Vermilion, chts, &c.	68	26	89	131	47	140
Wax, bees' .....bils & srus	937	852	4,532	3,188	4,441	3,180
"cks & cs	1,568	962	3,122	2,042	2,526	2,044
"cakes	42	14	28	6	—	6
" Japan .....pkgs	325	624	881	452	1,134	1,010

It may seem to the unsophisticated that there cannot be much difference in making *pepsin wine* whether the pepsin is allowed to macerate in the acid glycerine and wine eight or four days, but some German pharmacists have recently proved that the shorter period is the better.

THREE HANDY BOOKS ON ARBITRATION.

THE establishment of a Court of Arbitration in this city has been promptly utilised by several smart gentlemen to place before the public handy manuals on the law and practice of arbitration. We have read three such, with which we will deal in the order of their receipt. "The Practice of the London Chamber of Arbitration," by Leslie Probyn, barrister-at-law, and L. Worthington Evans, solicitor (Waterlow Bros. & Layton, Limited, London), refers specially to the procedure of the London Chamber of Arbitration. The authors explain their use of the word "practice" in connection with an institution the birth of which was coeval with the publication of their manual by the fact that Mr. Hy. Clarke, L.C.C., the originator of the Chamber, perused their MS., which thereby has received a kind of official nimbis of approbation. Besides full particulars of the constitution and *modus operandi* of the Chamber (which particulars, by the way, may be had in an abridged form at the Guildhall by anyone who cares to ask), information is given concerning the Arbitration Act of 1889, which governs the constitution of the Chamber, and a pretty full account is given of the steps to be taken by parties who wish to avail themselves of the services of the Court. "London Chamber of Arbitration: A Guide to the Law and Practice," is a half-crown manual by Montague Shearman and Thos. W. Haycroft, barristers-at-law (Effingham Wilson & Co., 11 Royal Exchange, E.C.). It runs pretty much upon the same lines as the first-mentioned booklet, but, in addition to the information therein vouchsafed, it contains a very useful record of seventy-eight cases which have been decided by arbitration in other courts, and the judgments on which are likely to govern as precedent cases that may be brought before the London Chamber. A synopsis of each case is inserted in its proper place under the paragraph bearing upon it, and, altogether, we consider Messrs. Shearman and Haycroft's manual much the more carefully compiled guide-book of the two.

Mr. J. S. Salaman, always quickly in evidence on such occasions, is the author of a 3s. 6d. "Manual for Arbitrators," which comes to us from Mr. Wm. Heinemann's press. The manual, as its name indicates, is specially written for the guidance of persons who may be called upon to act as arbitrators, and it is with a view to serve as the philosopher and friend of such individuals that the author has abridged "Mr. Russell's well-known book" on the powers and duties of persons acting in that capacity. Mr. Salaman evidently contemplates that the London Chamber of Arbitration will work so satisfactorily that its services will soon be requisitioned for the settlement of other than strictly commercial disputes. Therefore, taking time by the forelock, he refers to certain contingencies which may arise under such statutes as the Agricultural Holdings Act (1883), the Railways Clauses Consolidation Act (1845), *et hoc genus omne*, and be referred for settlement to the Chamber. We like the little book very well, and only regret that the unfortunate necessity of improving the shining hour is responsible for the ugly list of "errata" that disfigures the first part of the book. Mr. Salaman, like the other learned authors, is a member of the legal profession. This fact points the moral that, although the Chamber of Arbitration may possibly forebode ill to the lawyer-fraternity, the early bird will always be able to catch a worm even at the expense of others of its family.

A STANDARD METRE is being made for the Board of Trade by the International Committee of Weights and Measures. Already two years have been spent upon it, and it will cost 12,588fr.

THAT INTRICATE GROUP OF ELEMENTS iron, manganese, cobalt, and nickel gives much trouble to chemists owing to their very close relationship; but there is to be more trouble, for it seems that iron is a very complex body, and there is every indication that this metal will, after all, prove to be a chemical compound or, if not, an element subject to considerable allotropic modification. That may be so, but, pray, what is not compound in the strict sense of the word if we push our knowledge far enough?



Memoranda for Correspondents.

In letters for publication correspondents are requested to express their views as concisely as possible.

Correspondents should write on one side of the paper only, and devote a separate piece of paper to each subject of inquiry.

The name and address of the writer should accompany all communications, with, if desired, a distinctive nom-de-plume.

The Neglect of the Pharmacy Act.

SIR,—It is usual to blame the Pharmaceutical Society for the non-enforcement of the poisons regulations, but we must remember that pharmacists have often themselves to thank if their rights are infringed. Who is to acquaint the Society with breaches of the law if chemists themselves will not? And most men are either afraid or ashamed to give information. Why they should be so I cannot say; but the fact is indisputable. Then, too, very many chemists are afraid of the law: it is dangerous, proverbially, to play with edge-tools. There is a certain famous town—not, I am thankful to say, in my own immediate neighbourhood, but well known to me—one of the oldest-established firms in which unites the professions of pharmacist and licensed hawker. The staff of the “firm” in question (—— “& Co.”) consists of the proprietor (qualified) and one youth, whose qualification lies in his cheek. The “firm” runs two pharmacies—literally “runs” one of them, for it is a four-wheeled van drawn by two horses and fitted as a drug-shop, which travels the neighbourhood at stated intervals, dispensing medicines and other blessings in disguise to an indiscriminate peasantry. The other establishment is a stationary one in the market-place of the town aforesaid. I cannot say how the conduct of the two is distributed, but I suppose it is upon the principle of the old Adam-and-Eve “weather-glasses”—that is, the proprietor goes on journey when the sun is out and sends that unlucky dog of an apprentice when it rains. It is evident, however, since this is the whole staff, that between them the law regulating, or supposed to regulate, the sale of poisons is broken daily; but when I asked a friend in the town the other day why neither he nor any other of the chemists in the neighbourhood put a stop to this state of things, he simply shrugged his shoulders and said “Well!”—the rest was silence. “But where,” I said, “is your local secretary all the time?” “Ah, well, you see, he and our friend the enemy are near neighbours, and he doesn’t like to interfere.”

And we grumble at the law! We are not protected, forsooth!

I am, &c.,

BARDOLPH. (206/47.)

Spray-producers.

SIR,—I would like to add another bit of advice to that of “Spatula,” in issue of January 7, relating to sprays. Use a metal which will not go dirty-looking (irrevocably) on a week’s exposure in cases or windows. I have half-a-dozen or so which customers won’t look at on that account. I am very careful not to buy metal sprays now.

Yours,

S. C. M. (206/63.)

Messrs. F. Schutze & Co., 36A Aldersgate Street, write us a letter in which they claim that they met the difficulty pointed out by “Spatula” more than a year ago, in placing before the trade small odorators holding from 2 oz. to 4 oz. As a further comment on this subject they say that an odorator should not be more than three-parts filled to insure a perfect spray. If completely filled the spray will be coarse, and often a single stream is the result of an insufficiency of compressed air in the vessel. They have found small slips, with the directions for use, sent out with each odorator very useful in avoiding a lot of trouble to their customers and themselves!

A. H. Mason says Good-bye.

SIR,—Will you kindly allow me a little of your valuable space to convey to the many friends who have written to wish me *bon voyage* my sincere thanks for their kindness?—for I find it impossible to communicate my acknowledgements personally before sailing.

I am deeply sensible of the kindly feeling towards me of those who expressed regret that unavoidable circumstances prevented their being present at the farewell banquet, and those who have written “blowing me up” because it was not intimated to them that such was to be held; and also to the chairman, committee, and those friends who contributed so much towards the success of the gathering. That evening distance of time or space can never efface from my memory.

By the time my friends see this—if the good s.s. *Majestic* keeps up her record—I shall be well on my journey to the busy sphere of labour which awaits me in New York; but there is this satisfaction to me—that we shall not be dissociated by the change. Apart from the sterling merits of the products of the Seabury Pharmacal Laboratories, I feel that I have every reason to be grateful to my many friends in Great Britain and the colonies that success has attended my labours on this side, and the good wishes so generously tendered to me for my success in the future is an earnest that that support will be continued to me, although a few days’ travel removed from you.

The special inducements to visit the United States this year for the World’s Fair at Chicago will, I trust, enable me to see many of my friends from this side at my new home. Our house will have much pleasure in taking charge of any correspondence for our friends should they desire it.

Sincerely reciprocating all the kindly feeling which has been so generously expressed towards me and my family,

Yours, for health and prosperity,

Seabury Building, ALFRED HY. MASON.

59 and 61 Maiden Lane, New York City,
January 10.

Clarke’s Night-light Coupons.

SIR,—From an advertisement in THE CHEMIST AND DRUGGIST of December 31, it appears that Clarke’s P. & F. L. Co. intend to place in every box of their lights a coupon, entitling the consumer to 3d. for every dozen coupons returned to the dealer, who in turn is to receive 1s. per dozen for these coupons if sent to the manufacturers in lots of not less than sixty, and within a period ending June 30, 1893. I think I am not far wrong if I presume that among the chemists there are at least not a few whose sales in this article do not amount to sixty boxes in twelve months, much less in six months.

The question is, Does a dealer who sells Clarke’s Lights with the coupon inside the box bind himself to redeem these coupons at the price stated? If so, the only course open to guard against actual loss is to discontinue the sale of this article.

K. H. (207/42.)

Higginson to the Rescue.

SIR,—At my wife’s suggestion to thaw an obstinate water tap during the frost of last week, I used a Higginson’s enema, with plenty of hot water, and found it answer admirably, and no burst pipe resulted. If this new idea (to me) be original to your readers, they are welcome to the suggestion.

Banbury.

A. H. HINDE.

DISPENSING NOTES.

Correspondents should consult “The Art of Dispensing” in regard to dispensing difficulties. Difficulties not explained therein may be sent to the Editor, who invites a general expression of opinion upon the under-mentioned topics.

The Colour of Hydrastine.

SIR,—Referring to your Dispensing Note, “Are Hydrastine Salts Coloured?” I consider that “Anxious” was perfectly correct in sending out a colourless mixture. Martindale

describes hydrastine as being in "white prismatic crystals," and does not state that its salts are coloured; the inference is in favour of the absence of colour. Hydrastine hydrochlorate prepared by me from such an alkaloid possesses only the faintest tint of yellow, quite insufficient to impart a yellow colour to a solution containing only 1 gr. in 1 fl. oz.

There was formerly obtainable in commerce a bright orange-yellow substance, under the name of "hydrastine hydrochlorate," which consisted chiefly of berberine hydrochlorate; however, I believe I am correct in saying that the sale of this article had completely ceased several years before the present call for the salt. Such being the case, I think an "up-to-date" compound should be used, which can only be represented by the pure colourless (nearly) hydrastine hydrochlorate. Unless at least half of the contents of the 8-oz. bottle were ordered for a dose, there is nothing to contradict this opinion in the prescription quoted.

I am, yours faithfully,
R. A. CRIPPS.

Birmingham, January 11.

Lost Cocaine.

209/4. D. T. D. dispensed the following with liq. plumbi fort. instead of the dilute solution, and wants to know any means for recovering the cocaine:—

Cocain. hydroch.	5ss.
Lotio. plumbi	3j.
Pulv. acid. boric.	5i.
Aq. flor. sambuci ad	3viij.

M. Ft. lotio.

Ext. Cinchon. Liq.

"Lewisham" (207/72) writes:—"I have read with much interest the query raised by 'Remlap' respecting the above, and thoroughly endorse the answer given. The Pharmacopœia is a dispensers' guide, and when a preparation is ordered in a prescription contained in it at the time of writing, that preparation ought to be used, and not another substituted for the sake of appearance. I was for some months a dispenser in a large establishment, and the printed rule was that the ex. cinch. liq. flav. was to be used for all mixtures containing sal volatile or an alkali, and when I had occasion to dispense the same was very reluctant at putting it in, but was compelled to abide by the rules. This opinion was expressed by all my fellow-assistants."

LEGAL QUERIES.

Immediate information on pharmaco-legal matters is available in "Pharmacy and Poison Laws of the United Kingdom," Alpe's "Handy-book of Medicine-stamp Duty," and THE CHEMISTS' AND DRUGGISTS' DIARY page 152 et seq.

36/38. T. J.—Your complaint of the public analyst should be made, if at all, to the County Council which appoints him. We do not think you have case enough against him to justify a charge of incompetence.

201/62. Colocynth writes:—"I gave my landlord notice to leave his premises on March 25 next. December 25 being Sunday, I served notice on the 26th (Monday), before 12 noon. Is such notice in time to be legal?"

[Assuming that "Colocynth's" tenancy was determinable on any of the usual quarter-days by a quarter's notice, the notice as given by him was insufficient. Notice on or before December 25 should have been given. The same principle applies even though the quarter in question contains more than one quarter of the number of days in the year—as, for example, the quarter from Midsummer to Michaelmas, which contains ninety-eight days. It was held in the case of Morgan v. Davies (3 C.P.D. 260) that a notice served on March 26 to quit on September 29 then next (six months' notice being required) was insufficient, although there are more than 183 days between those two dates. The question of Sunday does not affect the matter, as the Statute 29 Car. II. c. 7, s. 6, only makes the service of writs, &c., on that day void. Sun-

day, as regards a notice to quit, is not a *dies non*, the point having been explicitly decided by the case of Sangster v. Noy (16 L.T. 157). The prevalent notion that a notice must be served before noon on the day when it is due is nothing more than a popular fallacy.]

201/11. B. M. writes:—"An agreement was drawn up in writing between A and B, master and servant, in the form of an indenture. This was never stamped. Is it binding, as the apprentice is desirous of leaving A, he (A) not having fulfilled certain promises he made at the time?"

[It has long been established that the want of a stamp does not avoid a document, although it throws obstacles in the way of the document being produced as evidence. The agreement between A and B is therefore binding. But if either party to the agreement, seeking to enforce his rights under it by civil action, wishes to produce the document in evidence, he must first pay a penalty of 10*l.* and a further sum of 1*l.* in addition to the stamp-duty chargeable on it (54 and 55 Vict. c. 39, ss. 14 and 15). The Commissioners of Inland Revenue may, however, mitigate or remit any penalty payable on stamping. Supposing, therefore, that B left A and A sued B for breach of contract, then, in order to produce the document in evidence, A must first pay the penalty, &c., as above, and it is extremely unlikely that the Commissioners would grant him any remission or mitigation.]

206/66. Subscriber wants to know if he is legally bound to pay a troublesome assistant his month's wages in discharging him on his appearing at business after coolly absenting himself for a day and a half without permission, having had annoyance of this sort on several occasions.

[We presume that "Subscriber" wishes to know whether he is bound to pay his assistant a month's salary in lieu of notice in discharging him under the circumstances stated above. Having regard to the general principle that if a servant misconducts himself the master may turn him away without any warning, and to the fact that refusal to obey a lawful order (*e.g.*, to attend during business hours) is a good ground of dismissal (*Spain v. Arnott*, 2 Stark, 256; *Lilly v. Elwin*, 11 Q.B. 742), however reasonable or urgent the excuse for the servant's wilful absence may be (*Turner v. Mason*, 14 M. & W. 112), it is quite clear that he need not do so. Further than that, it would appear from the case of *Taylor v. Laird* (1 H. & N. 266) that "Subscriber" is not even bound to pay the salary for the current month during which the assistant is discharged, if the payment of salary is (according to the contract of hiring) by the month.]

207/29. Stanford.—You can only become a member of the Pharmaceutical Society after passing the Major examination, or if you were in business before August 1, 1868.

208/70. Safety.—We cannot undertake to make trade-mark searches for correspondents, and we have no knowledge of the circumstances of the case you allude to.

208/2. F. W. C.—An unqualified person may both put up and sell a patent medicine containing poison. This applies to actually patented medicines only. The ordinary proprietary medicines, if they contain poison, may be put up and sold wholesale by unqualified persons, but may be sold retail by registered chemists only.

121/93. N.A.B. wishes to know if a pharmaceutical chemist is bound to attend court on a Petty Sessions summons, and if failing to attend, can Magistrate legally commit him for contempt? Is the summons valid without the *ls.* being paid to chemist? Would a medical man be liable in a similar taxation?

[When a pharmaceutical chemist is summoned to attend before Magistrates in Petty Sessions he is bound to do so, and if he fails the Magistrate can issue a warrant for his apprehension, so as to compel him to attend. If when the witness is brought before the Court he refuses to be examined,

the Magistrate can then commit him to prison. It is not necessary in indictable cases to tender expenses (*R. v. James*, 1 C. and P. 122), but the Magistrate can issue a certificate for the witness's expenses, and will do so if applied to for same. A medical man will be in the same position as a pharmaceutical chemist in this respect. There is a difference between witnesses for the prosecution and defence, but the clerk of the Magistrates will assist the witness on these points.]

MISCELLANEOUS INQUIRIES.

The Editor replies to queries of general interest, in the order in which they are received. Replies are inserted according to the space available. Postal answers cannot be supplied.

Back numbers, containing formulae, educational or other specific information, can be obtained from the Publisher.

201/34. *Rheum*.—(1) **Books for A.I.C.**—Use the books recommended by the teachers at the School or College which you are attending in accordance with the Institute's requirements. (2) The Institute does not publish a journal. (3) A charter is granted by the Sovereign in Council, and defines what the body incorporated may do. An Act of Parliament is agreed upon by both branches of the Legislature and approved by the Sovereign. Such Acts, as a rule, apply to citizens generally, and define what they may and may not do.

201/15. *R. A. W.*—The best way to **Polish Talc-coated Pills** is to use a perfectly clean and dry copper—a lemon-copper is suitable for the purpose. Warm it, and while warm coat the interior thinly with white wax or hard paraffin. When cold polish as you have been in the habit of doing. The "lead" lining of the copper is in this way rendered operative, and the results are good.

175/56. *Nunquam*.—(1) **Indian Brandy**.—The sample which you send as being what is sold by small shopkeepers is a somewhat innocent preparation, and only remotely resembles what is generally known as Indian brandy. The following formula will make a similar preparation:—

Spirit of nitrous ether	..	..	..	..	5ij.
" chloroform	..	..	..	..	5j.
Water	..	..	..	..	5iv.
Caramel	..	..	..	..	A sufficiency
Simple syrup to	..	..	..	..	Qj.

Mix.

(2) The **Red Cough-mixture** is a mixture of syrup of squill, syrup, and water, about equal parts, coloured with cochineal.

219/20. *W. H. T.* sends us a small piece of **Adhesive Resin** which is used throughout Kent by the majority of auctioneers for sticking lots to cattle, &c. It is the only compound which can be used successfully for such purposes. We make it out to be resin 3 parts, vaseline 1 part, and guttapercha 5 parts, melted together carefully.

312/92. *Lancashire*.—The **Starch-gloss Tablet** which you send is curd soap, well dried [to be rubbed on the hot iron]. The powder for sprinkling on the linen is French chalk.

126/26. *Yorks*.—We should consider that subscriptions to this journal and Christmas-boxes to persons whose relations with you are formed in the course of business are legitimately entered as "trade expenses."

200/63. *J. F. E.* has 2 lbs. of salicin which he wishes to convert into salicylic acid. If this is for economy's sake we advise him to buy 2 lbs. of salicylic acid, and leave the alicin alone, or sell it cheap. It will cost him as much (in chemicals, time, and trouble) **To Convert Salicin into**

Salicylic Acid. The plan is to mix the salicin with three times its weight of caustic potash, fuse the mixture in a crucible (preferably of silver) at a temperature not exceeding 400° C., until it becomes white, dissolve the fused mass in water, acidify with hydrochloric acid, collect the salicin, and recrystallise from boiling water.

199/66. *C. H. H.*—We are obliged to you for calling our attention to the formula for **Gerrard's Improved Fehling's Solution**. We printed it as received from the author. The following is the correct formula:—

Solution No. 1.

Take of

Sulphate of copper (recrystallised)	..	..	..	69.30 grammes
Distilled water to	..	..	..	500 c.c.

Dissolve.

Solution No. 2.

Take of

Tartarated soda (crystallised)	..	..	..	175 grammes
Pure caustic soda	..	..	..	76.56 "
Distilled water to	..	..	..	500 c.c.

Dissolve.

Solution No. 3.

Take of

Cyanide of potassium (98-per-cent.)	..	..	..	33 grammes, or a sufficiency
Water to	..	..	..	500 c.c.

Dissolve.

For the purpose of testing the solutions, mix 5 c.c. of each with about 50 c.c. of distilled water, then boil. Whilst boiling, run in a solution of grape-sugar until the blue colour is gone. If, during the reaction, any precipitate appears, more cyanide of potassium must be cautiously added to solution No. 3 until, on boiling again as above, it gives no precipitate.

207/11. *Pill-box*.—**Torrington Drops** is tinct. benzoin. co.

201/64. *Acetum*.—Your customer cannot turn the sour ale into vinegar unless he has a licence. Are the hundred gallons worth a guinea?

202/56. *Cymro*.—**Plaster Mulls** are proprietary articles, the method of manufacturing which is only known to the makers.

202/45. *Phenacetinum*.—**Blood-purifier**.—See **THE CHEMIST AND DRUGGIST**, May 28, 1892, page 788.

207/21. *W. Harrison*.—**To Colour Fats Green** all that you have to do is to melt the fat and digest in it for several hours some spinach or grass, then strain.

203/25. *J. D.*—**Smokeless Powder** varies in composition, but nitro-cellulose of some sort is the principal constituent. This is dissolved in ether, acetic ether, or similar solvent; other ingredients added (which may include nitrates or even turmeric), and when the mixture has been brought to a suitable consistence it is granulated.

206/15. *Reinhardt*.—(1) **Almond Soda** we take to be bicarbonate of soda. It is an American expression. (2) **Sponge-market**.—The centre of this trade is in the Levant, and English, French, and other houses send representatives there. There is no sponge exchange in London, but occasionally a few bales are seen at the drug-sales. These are odd lots, however.

206/33. *W. H. Burrell*.—**To Clean a Barometer-tube** the first thing to do is to wash it with solution of soda, next with water, then with nitric acid, and lastly with water. Dry with tufts of absorbent cotton on a hooked wire of sufficient length.

206/28. *Kola*.—(1) Crude benzol or gasoline will serve To **Thin Tar** in order to make it fit for use as a paint during cold weather. (2) We have not heard of confectioners using white wine in baking. (3) See Index, December 31, for references to marking-ink.

206/39. *Talhairu*.—It is advisable to avoid diuretics in **Condition-powders for Horses**, and for that reason nitrate of potash should only be used in small doses, if at all. The other ingredients which you name are safe.

206/51. *A. F. Taylor*.—**Blue Lacquer for Skates**.—Add a sufficiency of spirit-soluble aniline blue (in solution) to a pale shellac varnish.

52/55. *J. W. G.*—Wanklyn's "Milk-analysis" (Trübner, 5s.) is, perhaps, the book you want. Dr. Bell's work on "Foods" (South Kensington Series) is a more popular and less analytical book.

206/71. *Inquirer* asks: "What is the best-paying yet absolutely safe investment for 100%?" Consols, we should think, but we do not pose as financial advisers.

207/18. *C. Hanson*.—A solution of isinglass is used as a size for pictures and other delicate work before varnishing.

207/23. *Rheum*.—You can get the Institute of Chemistry examination-papers by applying to the Secretary.

22/11. *Lincoln*.—**Spruce Gum** is a resin which exudes spontaneously from the black spruce, *Abies nigra*, Poir. It is collected in Maine, New Hampshire, Vermont, and Canada. It occurs in various-size pieces, of a red-brown colour, and is brittle. The odour is faintly terebinthinate, and, on chewing, the taste is similar and bitter. It yields a small percentage of a volatile oil on distillation. Butyric acid appears to be one of its constituents, and in this and other respects the resin is different from other American coniferous exudations. A similar resin (white spruce gum) is obtained from *Abies alba*, but in much smaller quantities. The black gum is 3s. and the white 8s. per lb. in U.S.A. We have not succeeded in tracing the medicinal uses or the dose of these gums, but presume that, like essence of spruce, which is a decoction of the branches of black spruce, diuretic and antiscorbutic properties are attributed to them.

INFORMATION SUPPLIED

Syrup of Fox's Lungs.—I never was asked for this out of Great Yarmouth, where, as an apprentice over twenty years ago, it was in frequent request; in fact, we had labels ready printed "Fox's Lungs and Paregoric"—i.e., syrup of squills and paregoric.

J. P. L. (208/66.)

"**Gracious Dee**," or "**Gratias Dei**."—I have often wondered whether this is still asked for in the Eastern counties. We made it of resin, wax, and lard, in rolls similar to the "Dale's Plaster" of the Northern counties.

J. P. L. (208/66.)

INFORMATION WANTED.

The Editor invites, on behalf of inquiring subscribers, post-card replies to the following:—

207/35. Makers of unfermented "Sacramental wine."

204/7. What is "ladies' ointment," or who makes?

Next Week.

Meetings, &c., to be held, and business to be transacted thereat. Suitable notices will be inserted in this section if received by the Editor on or before Wednesday.

TUESDAY, January 17.—*Royal Institution of Great Britain*, at 3 P.M. Professor Victor Horsley on "The Functions of the Cerebellum, and the Elementary Principles of Psychophysiology."

WEDNESDAY, January 18.—*Royal Microscopical Society*, 20 *Hanover Square, W.*, at 8 P.M. Presidential address by Dr. R. Braithwaite.

WEDNESDAY, January 18.—*Pharmaceutical Society, North British Branch, Edinburgh*, at 8.30 P.M.—"Animal Charcoal as a Decoloriser," by T. R. Carswell. "Notes on (a) Caustic Potash; (b) Ether; (c) Iodide of Arsenic," by D. B. Dott, F.I.C., F.R.S.E. "Liquor Magnesii Carbonatis," by George Lunan. "A Method for Preserving Spiritus Ætheris Nitrosi," by A. Meldrum. "Note on Artificial Calamine," by W. Lyon.

THURSDAY, January 19.—*Chemists' Assistants' Association*, 103 *Great Russell Street, W.C.*, at 9 P.M. Mr. E. Auquetil on "Some Poisonous Plants."

THURSDAY, January 19.—*Chemical Society*, at 8 P.M. "The Determination of the Thermal Expansion of Liquids," by Professor T. E. Thorpe, F.R.S. "The Thermal Expansion and Specific Volumes of certain Paraffins and Paraffin Derivatives," by Professor Thorpe, F.R.S., and Lionel M. Jones, B.Sc. "The Hydrocarbons formed by Decomposition of the Citrene Dihydrochlorides," by W. A. Tilden, F.R.S., and Sidney Williamson. "Camphorsulphonic Derivatives," by F. S. Kipping and W. J. Pope. "Note on the Decaphanes formed from Terpenes and Camphor," by Henry E. Armstrong.

WEDNESDAY, January 18.—*Society of Arts*, at 8 P.M. "The Mining Industries of South Africa," by Mr. Bennett H. Brough.

THURSDAY, January 19.—*Society of Arts*, Indian section, at 4.30 P.M.—"The Currency Problem," by Mr. J. Barr Robertson. Sir Theodore Cracraft Hope, K.C.S.I., C.I.E., will preside.

FRIDAY, January 20.—*Royal Institution of Great Britain*, at 9 P.M. Professor Dewar on "Liquid Atmospheric Air."

FRIDAY, January 20.—*Manchester Pharmaceutical Association*.—Smoking-concert at the Victoria Hotel, at 7.30 P.M. All connected with pharmacy are cordially invited.

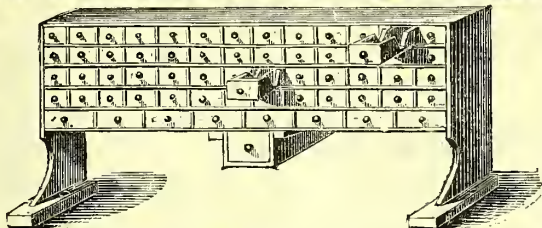
A PRETTY and altogether modest young Irish girl, evidently a nurse, stood patiently waiting her turn in a big drug-store. At last one of the clerks, a rather dashing young fellow, disposing of his last customer, made his way to the young woman's side and asked politely, "Is anyone paying you attention, miss?" The young woman blushed, hesitated a moment, and answered coyly, "No, sir; I am married."

THE EFFECT OF COLD on ferments is curious. According to M. d'Arsonval, the invertine of beer-yeast cooled to -40°C . does not lose its power, but it is destroyed as a ferment at -100° . On the other hand, the yeast itself cooled to -100° is still active. M. Raoul Pictet has lately observed that at -150° all chemical reaction is suppressed. Thus, if sulphuric acid and potash are brought together at this temperature, they do not combine. Litmus-paper introduced keeps its colour.

THE KILLARNEY DRUG-CONTRACT.—At a meeting of the Killarney Guardians on January 4, a warm discussion occurred in reference to the drug-contract. The Guardians had a fortnight previously accepted the offer of Messrs. Harringtons, of Cork. One guardian now alleged that the tender of Messrs. Leslie, of Dublin, was considerably lower than that which had been accepted, and he moved that the previous resolution should be rescinded. Charges of robbery and jobbery were freely made, but ultimately by eleven votes to eight the motion was rejected.

THE NEW DRUGGIST'S LABEL CABINET

(PATENTED).



H. POTHS & CO., 4 CREECHURCH LANE, LONDON, E.C.
LEADENHALL ST.,
Full Particulars on Application. [2]

CRYSTAL PALACE JOHN BONDS GOLD MEDAL MARKING INK

Sale ever increasing at Home and Abroad, showing the appreciation by Trade and Public of this original and genuine Preparation.

GIVEN AWAY

And enclosed with every 6d. and 1s. Bottle and every 6d. and 1s. Marking Ink Pencil, a voucher entitling Purchasers to their Patent 18-carat gold-faced Rubber Stamp. Name in full or Monogram, for Marking Linen or Paper.

WHOLESALE and EXPORT DEPOT:—75 SOUTHGATE ROAD, LONDON, N.

Send for Illustrated Price Lists and Samples for Travellers and Showrooms.

LARGEST SALE OF ANY MARKING INK IN THE WORLD.

ALL

HOMŒOPATHIC 1/- SIZE 3/6 PER DOZ. MEDICINES,

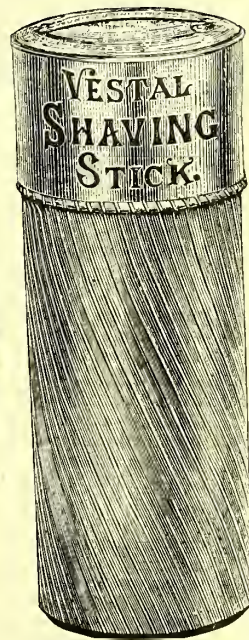
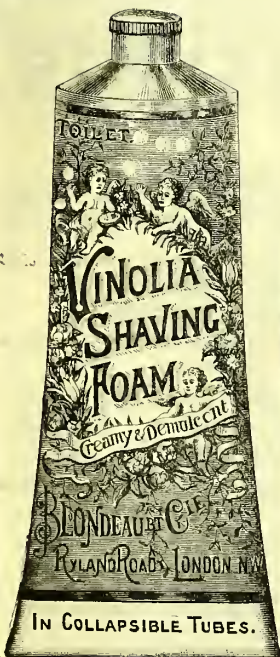
CAMPHOR PILULES,
3/6 DOZ.

Large Bottles—Sell Well.

KEENE & ASHWELL

74 New Bond Street,
LONDON.

Note our Advertisement the end of this Month.



Superfatted and made with most demulcent materials.
TOILET, 1/6. VESTAL, 2/6.

Yields a most soothing substantial Lather.
Delightfully Perfumed and Perfectly Neutral.
TOILET, 2/-. VESTAL, 4/8.

CREAMY. EMOLLIENT.
TOILET, 1/-, 1/6, 2/6.
VESTAL, 2/6.

BLONDEAU ET CIE., Ryland Road, LONDON, N.W.

T. & H. SMITH & Co.

MANUFACTURERS OF

MORPHINE AND ITS SALTS.

In powder and crystals.

MORPHINE TARTRATE.

Introduced by us and specially prepared for hypodermic treatment.

CODEINE AND ITS SALTS.

APOMORPHINE MURIATE.

CAPSICINE.

JALAP RESIN.

SCAMMONY RESIN.

JALAPINE.

CINGERINE.

ALOIN.

SALICIN.

CHLOROFORM PURE.

CHLOROFORM METH.

Our brand has been for many years known to the Wholesale Trade as absolutely pure.

ERGOTINE.

CANTHARIDINE.

Inventors and Sole Manufacturers of the **TELA VESICATORIA** or Blistering Tissue.

By far the most efficient Cantharides Vesicant in existence.

EDINBURGH Address—21 Duke Street.

NEW YORK Office—20 Cedar Street.

LONDON Address—12 Worship Street, E.C.

DILLON & CO., Agents.

SMITH & SONS

WHOLESALE DRUGGISTS AND MANUFACTURING CHEMISTS,

44, 46, and 48 MAGDALEN STREET, NORWICH.

PURE CHEMICALS.

MANUFACTURERS

PHARMACEUTICAL

IMPORTERS OF ESS. LIMONIS



NEW REMEDIES.

OF ALL

PREPARATIONS.

SUPER AND ALL ESSENTIAL OILS,

CRUDE DRUGS AND CHEMICALS.

DEALERS IN DRUGGISTS' SUNDRIES AND SURGICAL APPLIANCES.

PRICES CURRENT ON APPLICATION.

TELEGRAMS—"SMITH NORWICH."

Schacht's Preparations.

SCHACHT'S LIQUOR BISMUTHI.

Absolutely pure. The original preparation, invented and introduced to medicine by Mr. Schacht in 1855. Its distinct superiority is universally admitted. In $\frac{1}{2}$ lb., 1 lb., 2 lb., and 5 lb. bottles. Dose: 1 drachm diluted. When ordering, please to specify "SCHACHT'S."

SCHACHT'S LIQ. BISMUTHI SEDATIVUS.

Contains pure Bismuth and *Pepsina Liquida* in combination with sedatives. A formula most serviceable in the treatment of gastric pain. In 4 oz., $\frac{1}{2}$ lb., and 1 lb. bottles.

SCHACHT'S SYR. CINCHONÆ ALCOHOLICUS.

A standard preparation, of definite alkaloidal strength, containing the entire medicinal properties of the finest Cinchona Bark. It is, in fact, Bark minus the woody fibre, and its efficiency has been proved by careful medical enquiry. Dose: Ten to sixty drops.

SCHACHT'S PEPSINA LIQUIDA (REGISTERED TITLE).

Fluid pepsine of extraordinary activity—tasteless, odourless, attractive to patients, and reasonable in price. Every teaspoonful when tested by the official B.P. process is guaranteed to effect the solution of 1,000 grains of albumen. Peptic power is the only test of value. Most of the fetid and repulsive dry Pepsines have proved worthless. In 4 oz. bottles, 2s. 6d. each; and larger sizes for dispensing at a cheaper rate.

SCHACHT'S PEPSINA LIQUIDA C. BISMUTHO.

Each drachm contains in a concentrated form, besides the fluid pepsine a full dose of Schacht's Liquor Bismuthi. Dose: One drachm. In $\frac{1}{2}$ lb. and 1 lb. bottles.

N.B.—*Peps. Liq. c. Bismutho Co.* contains, in addition, one gr. soluble Euonymin in each drachm.

SCHACHT'S PEPSINA LIQUIDA C. EUONYMIN.

Each drachm contains one grain of soluble Euonymin. Dose: One drachm. For dispensing $\frac{1}{2}$ lb. and 1 lb. bottles.

SCHACHT'S LIQ. PODOPHYLLI C. BISMUTHO.

A perfect solution of Podophyllin, containing $\frac{1}{2}$ gr. in each drachm.

SCHACHT'S LIQUOR CASCARÆ DULCIS.

A pleasant and active form of *Cascara Sagrada*. Dose: One to three teaspoonfuls diluted. In 4 oz., $\frac{1}{2}$ lb. and 1 lb. bottles.

SCHACHT'S INFALLIBLE RENNET.

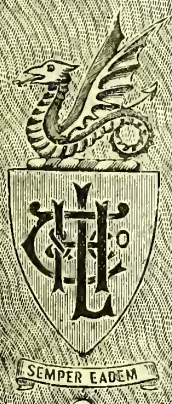
An entirely new Essence, perfectly reliable, for the coagulation of Milk, and the production of Junkets and Curds and Whey. It is a preparation of the most wholesome nature, that contains no salt, and has no special taste, smell, or colour. In large bottles at 1s. of an Chemists. This Essence keeps well in any climate.

The above Preparations can be procured from Messrs. Barclay & Sons, W. Edwards & Son, and the Wholesale Druggists or direct by post from

GILES, SCHACHT & Co., Clifton, Bristol.

SPECIAL NOTICE TO CHEMISTS

"LOYD'S LEICESTER"



The manufacture of Soluble Pearl Coated Pills was first introduced into Leicester by Mr. T. HOWARD LLOYD (18 years partner in the firm of JOHN RICHARDSON & CO.), and they are now made with the most complete and modern machinery, ensuring accuracy and uniformity, by

T. HOWARD LLOYD & CO. HIGH STREET, LEICESTER.

SOLUBLE PEARL COATED PILLS

Special NET CASH List.

In Ten Gross and One Pound Tins for CASH WITH ORDER.

		Per gross.	Per lb.
Pil. Aloes et Ferri, P.B.	...	6d.	4/-
„ Colocynth. Co., P.B.	...	11d.	8/-
„ Colocynth. et Hyos., P.B.	...	1/1	9/-
„ Rhæi Co., P.B.	...	6d.	4/3
APERIENT, 105 (<i>Each Pill contains ½ gr. of Calomel</i>)	...	6d.	4/3
106 As No. 105, with 1 gr. Calomel in each Pill	...	6d.	4/6
107 As No. 105, without Calomel	...	6d.	4/3
110 Hospital Pills, each containing ½ gr. of Calomel	...	6d.	4/6
ANTIBILIOUS.			
62 Hydrarg. Pil. gr. i.; Ext. Coloc. Co.; Pil. Rhei Co. aa. gr. ij.	1/-	...	8/6
262 Podophyllin gr. ½; Ext. Coloc. Co. gr. ij.; Ext. Hyoscy. gr. i.	1/2	...	10/-
COUGH.			
164 Pulv. Ipecac. Co.; Pulv. Gum. Ammon. aa. gr. iss.; Pulv. Scillæ gr. i.; Saponis Hispan. gr. ss.	7d.	...	5/-
167 Pulv. Ipecac.; Pulv. Scillæ aa. gr. ½; Pulv. Capsici; Pulv. Opii aa. gr. ¼; Pulv. Gum. Ammon.; Ext. Conii aa. gr. i.	8d.	...	5/6
CASTOR OIL.			
289 Rhei Pulv.; Potass. Sulph. aa. gr. iss.; Pulv. Sapo. Hysp.; Ol. Ricini aa. gr. ss.; Ol. Crotonis gr. ⅓	6d.	...	4/-
TONIC, 370 (<i>Blaud's Formula</i>)	...	...	4/-
371 (<i>Blaud's Formula, Martindale's improved</i>)	...	...	4/-
'LITTLE' APERIENT, 458	...	...	20/-
'LITTLE' ANTIBILIOUS, 462	...	...	20/-

Samples of the above with our Complete List sent on application.

In ordering, please note Address, and see that the Label on each Bottle or Tin corresponds with the above Block.

[1]

C. F. BOEHRINGER & SOEHNE, WALDHOF, NEAR MANNHEIM,

MANUFACTURERS OF

SULPHATE OF QUININE, B. and S. Brand, and all other Cinchona preparations, also of ACETANILID, CAFFEINE, COCAINE, CHLORALHYDRAT, CUMARIN, GALLIC ACID, GLYCERINE, HELIOTROPIN, SALICYLIC ACID and SALICYLATES, STRYCHNINE, TERPIN HYDRAT, &c.
STOCKS KEPT IN LONDON, GLASGOW, AND DUBLIN.

AGENTS.—LONDON: Messrs. DOMELER & CO., 13 St. Mary-at-Hill, E.C.

” —GLASGOW: ” F. R. MUELLER & CO., 47 Waterloo Street.

” —DUBLIN: Mr. JOS. LECKY, 26 Eustace Street.

“SPECIALITIES” OF WIDE REPUTATION

Suitably Packed for Home and Export, in various Languages, for all Markets.

‘COAGULINE’ The Cement for all Broken Articles. ‘LAVA’ A fusible, impermeable CEMENT. Glass Valve Tubes, For Feeding Bottles. ‘SAPO-LINI’ LINSEED SOAP, ‘OXYMEL SCILLÆ’ (exceptionally brilliant) Dec. Seneige Cocet. ‘CHESHIRE BIRDLIME.’ ‘EMOLLIENT’ For Chapped Hands, &c. ‘BROWN WINDSOR’ AND “ROSOTTO.” ‘THERMONE’ HEAT RADIATOR.	COMPOUND ESSENCE OF LINSEED, ‘SAPO-LINI’ LINSEED SOAP, ‘OXYMEL SCILLÆ’ (exceptionally brilliant) Dec. Seneige Cocet. ‘CHESHIRE BIRDLIME.’ ‘EMOLLIENT’ For Chapped Hands, &c. ‘BROWN WINDSOR’ AND “ROSOTTO.” ‘THERMONE’ HEAT RADIATOR.	‘SAPO-LINI’ LINSEED SOAP, ‘OXYMEL SCILLÆ’ (exceptionally brilliant) Dec. Seneige Cocet. ‘CHESHIRE BIRDLIME.’ ‘EMOLLIENT’ For Chapped Hands, &c. ‘BROWN WINDSOR’ AND “ROSOTTO.” ‘THERMONE’ HEAT RADIATOR.	CHEMICAL Disinfectant ‘SAPO-LINI’ LINSEED SOAP, ‘OXYMEL SCILLÆ’ (exceptionally brilliant) Dec. Seneige Cocet. ‘CHESHIRE BIRDLIME.’ ‘EMOLLIENT’ For Chapped Hands, &c. ‘BROWN WINDSOR’ AND “ROSOTTO.” ‘THERMONE’ HEAT RADIATOR.
--	--	---	--

Prices, Circulars with Name and Address, Specimens, Show Cards, Glass Tablets, &c., &c., on application.

KAY BROTHERS LIMITED, Laboratory and Works, **ST. PETERSGATE MILLS, STOCKPORT,** Founded A.D. 1786.
Incorporated 1887.

DUNCAN, FLOCKHART & CO.

Wholesale and Export Druggists,

EDINBURGH.

CHLOROFORM

(DUNCAN'S).

PREPARED FROM PURE AND METHYLATED SPIRIT.

Also CHLOROFORM (BLUE LABEL).

Put up in all sizes of bottles. A strap with Name and Trade Mark of the Firm is placed over the stopper of each bottle. For Export, in stoppered bottles, securely luted, and in hermetically sealed flasks when required.

N.B.—We guarantee all the above CHLOROFORMS to be PURE CHLOROFORM, answering all the tests of the British Pharmacopœia.

100 YEARS OLD

AND STILL GROWING!!!

MARVELLOUS, BUT A FACT.

The year 1892,
the last
of our first
Century,
was
unprecedented
for
the number
of orders
received
and executed.
Notwithstanding
the constant
increase of
imitators
and competitors.

THIS SPEAKS FOR ITSELF.

IT IS A RECORD TO BE PROUD OF.

JOHN RICHARDSON & Co., LEICESTER, LIMITED.

ESTABLISHED A.D. 1793.

WILLIAM BURTON & SONS, BETHNAL GREEN, LONDON.

Hydrogen Peroxide, Indigo Extract, Soluble Indigo Powder, Orchil, Cudbear, Logwood Extract, Fustic Extract, Aniline Dyes, Fine Lakes for Lithographic Inks, Vermilionettes, Drysalteries.

Sole Agents in United Kingdom and Colonies, excepting Canada, for

The New Bleach, **SODIUM PEROXIDE** (Aluminium Co., Ltd.).

CLAY'S PEARL-COATED TASTELESS PILLS.

Special Quotations to buyers of 10-gross lots, Cash with order, tins free, carriage paid. All our Pills are most carefully prepared from the purest and most active ingredients, and are warranted true to description.

PILLS OF THE BRITISH PHARMACOPEIA.

Pil. Aloes Barb.	Per gross.	5 Pil. Asafetide Co.	Per gross.	8 Pil. Ferri. Carb.	Per gross.
" " et Asafetide	-6	6 " Coloc. Co.	-10½	9 " Hydrarg.	-6
" " et Ferri	-6	7 " Coloc. et Hyos.	1/1	11 " Rhei Co.	-9

NON-OFFICIAL FORMULA

98 ANTIBILIOUS	Per gross.	115 As 114, with ½ gr. Calomel	Per gross.	303 DANDELION, CHAMOMILE, and RHUBARB	Per gross.	140 LITTLE LIVER	Per 1,000
Ext. Coloc. Co., 3½ gr.		116 " ½ gr.	-6	Ext. Tarax., 1 gr.		Aloin, 1-10 gr.	
" Hyoscy., ½ gr.	1/2	117 " 1 gr.	-6	" Anthem., 1 gr.	-8	Jalapin, 1-10 gr.	
Pil. Hydrarg., 1½ gr.		135 CASTOR OIL		P. Rhei, 1 gr.		Podophyllin, 1-5 gr.	3/-
Pulv. Ipecac., ½ gr.		P. Rhei, 1½ gr.		P. Aloes Barb., ½ gr.		Ext. Hyoscy., 1-20 gr.	
103 ANTIBILIOUS with PODO- PHYLLIN (VEGETABLE ANTIBILOUS).		Pot. Sulph., 1½ gr.	-6	Zingib., ½ gr.		Ol. Resin. Capsici, 1-20 gr.	
Podophyllin, ½ gr.	1/-	P. Saponis, ½ gr.		Ol. Carui			
Pil. Rhei Co., 3 gr.		Ol. Ricini, ½ gr.		304 DINNER and DIGESTIVE			
Ext. Hyoscy., ½ gr.		" Crotonis, 1-10 gr.		Aloes Socot. Ext., 1 gr.	-8	305 NEURALGIA and TIC	Per gross.
" Tarax., ½ gr.		146 COCHLE CO., 4 and 5 gr.		Pil. Rhei Co., 1 gr.		Quinine Sulph.	
103 ANTIBILIOUS		P. Aloes Cape, 2 gr.	-6	Ext. Gentian., 2 gr.		Ferri Sulph., aa ½ gr.	1/-
Ext. Coloc. Co., 2½ gr.		Gamboge, 1 gr.		179A FEMALE		Ext. Belladon., 1 gr.	
" Hyoscy., ½ gr.	1/2	Jalapae, ½ gr.		Aloes Barb., 2 gr.		Colchici Acet., ½ gr.	
Pil. Hydrarg., 1½ gr.		" Saponis, ½ gr.		Ferri Sulph. Exsic., ½ gr.	-8	" Hyoscy.	
Hyd. Subchlor., ½ gr.		Ol. Caryoph., ½ m.		Ext. Helleboro., ½ gr.		Camphora, aa 1 gr.	
114 APERIENT		168A COUGH		" Myrrhæ, ½ gr.		58 STEEL and PENNYROYAL	-8
Pulv. Gamboge, ½ gr.		P. Ipecac. Co., 1½ gr.	-8	" Zingib., ½ gr.		Pil. Aloes et Ferri, 4 gr.	
" Aloes Barb., 1½ gr.		" Gum. Ammoniac., 1½ gr.		P. Opil., ½ gr.	-9	Ol. Pulegii, ½ gr.	
" Colocynth., 1 gr.	-6	Scille, 1 gr.		189A GOUT and RHEUMATIC		145 TONIC	-10
" Jalapae, 1 gr.		Sapo. Hyspan., ½ gr.		Ext. Colchici, ½ gr.		Cinchonidine Sulph., 1 gr.	
" Saponis, ½ gr.		302 DANDELION and RHUBARB.		Ammon. Carb., ½ gr.		P. Aloes Socot., ½ gr.	
" Gingerine, ½ gr.		Ext. Tarax.	-8	Guaiaci Resin., 4 gr.		Ferri Sulph. Exsic., 1½ gr.	
188 BLAUD'S	-6	Pil. Rhei Co., aa gr. ii.		P. Opil., ½ gr.		Pulv. Nucis Vomice, 1 gr.	

Coated Pills of all descriptions made to order. Price on application.

CLAY, DOD & CO., Wholesale Druggists, 52 ST. ANNE STREET, LIVERPOOL.

DEUTSCHE GOLD- UND SILBER-SCHEIDE-ANSTALT, FRANKFURT AM MAIN.

CHEMICALS

FOR PHARMACEUTICAL, PHOTOGRAPHIC, AND TECHNICAL PURPOSES.

SPECIALITIES.

NITRATE OF SILVER.	PERMANCAN. OF POTASH.
CHLORIDE OF GOLD.	CHROME ALUM.
CYANIDE OF POTASH.	ACETANILIDE.

Sole Agent—FRED^K. BOEHM, LONDON.

METHYLENE

Obtained by the action of Metallic Zinc on Chloroform and Alcohol.
Discovered to be a general Anæsthetic by Dr. RICHARDSON in 1867.

COMPOUND ANÆSTHETIC ETHER,
In 4-oz., 10-oz., and 20-oz. Stopped Bottles, 2s., 4s., and 7s.

OZONIC ETHER.
In 1-oz., 4-oz., 8-oz., and 16-oz. Stopped Bottles, 2s., 3s. 6d., 7s., and 12s.

PEROXIDE OF HYDROGEN,
First introduced as a Medicine by Dr. RICHARDSON.

ETHYLATE OF SODIUM
(Dr. RICHARDSON'S Formula, for removing Nævi, &c. In 1-oz. & 1-oz. Bottles, with elongated stoppers for applying the Caustic, 2s. 6d. & 4s.)

STYPTIC COLLOID.
For promoting the Healing of Wounds by the first intention. In 2-oz. and 4-oz. Bottles, with brush, 3s. 6d. and 4s. 6d.; 16-oz., 12s.

CHARCOAL CAPSULES,
Containing Pure Vegetable Ivory Charcoal. In Boxes, 2s. 6d. each.

G. R. HARKER, STAGG & MORGAN

WHOLESALE & EXPORT DRUGGISTS,

Manufacturing Chemists,

PROPRIETORS OF FIELD'S SELECT PREPARATIONS

15 Laurence Pountney Lane

AND

Arthur Street West,

LONDON, E.C.

Saline.
Liquid Extracts.
Glycerine and
Cucumber.
Concentrated
Waters.

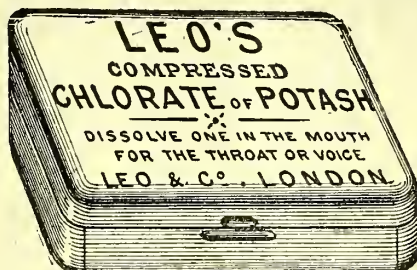


Edulcine.
Chlorodyne.
Concentrated
Liquors.
Concentrated
Infusions.
Liq. Eucalypti et Pulsatillæ Co.
Liq. Pepticus.
Liq. Santal c. Buchu et Cubeba.
Liq. Copaibæ c. Buchu, Cubeba, et Matico.
Liq. Papain et Iridin Co.
Liq. EUCONYMINETASCARÆ SAGRADÆ CO. LIQ. CAULOPHYLLIN ET PULSATILLÆ CO.

TELEGRAPHIC ADDRESS: "EDULCINE."

Ammon. Brom.
Ammon. Chlor.
Antifebrin
Antipyrin
Bismuth Subnit.
Chloralamid
Ipecac. Powd.
Ipecac. & Opium
Pepsine, B.P.
Phenacetin
Potass. Bicarb.
Potass. Brom.

When
ordering
specify
LEO'S.



They are
supplied by
all the
Wholesale
Houses.

Potass. Iodide
Quinine
Salol
Salicin
Soda Bicarb.
Soda Mint
Soda Salicylate
Sulphonal
Sulphur Compound
Urethane
Voice (Potass. Chlor.,
Borax and Cocaine)

COMPRESSED CHLORATE of POTASH. CHLORATE OF POTASH & BORAX.

Quotations given for large and small quantities.

[2]

LEO & CO.

8 CREECHURCH LANE, LONDON, E.C.

BARCLAY & SONS, LIMITED.



The DRUG TRADE at Home and Abroad are invited
to WRITE FOR BARCLAY'S recently published

CATALOGUE OF PATENTS AND SUNDRIES

*All SUNDRIES, PHOTOGRAPHIC GOODS, &c.,
at Popular Prices!*

95 FARRINGDON ST., LONDON, E.C.

Established upwards of a Century.



A FEW FIRST-CLASS SHOW-CASES FOR SALE. WRITE FOR PARTICULARS.

PEPSALIA.

The New Improved and Perfected Style. White and Odourless.

Guaranteed to keep good indefinitely in all climates.

1/- size ...	...	...	...	Per dozen, 10/-	...	...	...	Per gross, 105/- net.
2/- " ...	...	...	...	" 20/-	...	...	...	" 210/- "
5/- " ...	...	...	...	" 50/-	...	...	...	" 525/- "

PUMILINE.

Essence 1/6 ...	...	Per dozen, 15/-, less 10 per cent.	Liniment 1/9 ...	...	Per dozen, 20/-, less 10 per cent
" 2/6 ...	...	" 24/- " 10 "	Jujubes 1/1 ...	...	" 10/6 " 5 "
Extract 1/- ...	...	" 9/- " 10 "	" 2/3 ...	...	" 20/- " 5 "
Ointment 1/1 1/2 ...	...	" 11/- " 10 "	Dry Inhalers, complete 1/6	...	" 14/- " 10 "
" 2/9 ...	...	" 27/- " 10 "			

G. & G. STERN, 62 Gray's Inn Road, LONDON, W.C.

B. KÜHN, ³⁶ St. Mary-at-Hill, LONDON

PAPAIN

(DR. FINKLER & CO.).

A purely vegetable ferment, which combines digestive, tonic, and antiseptic action. It is superior to Pepsin and Pancreatin, as it digests and peptonises albumen in acid, alkaline, and neutral media. (See opinion of Medical Press.)

PAPAIN PEPTONE

Albumen of fresh Beef predigested by Papain. It is the most concentrated form of Peptone. It contains 92.42 % albumen in the form of Peptone and Albumose. (See *Lancet*, April 4, 1891, p. 781.)

EXALGINE

(BRIGONNET).

The most efficient analgesic. Relieves pain in Neuralgia of all kinds, Sciatica, Lumbago, Locomotor Ataxy, Chorea, Cephalalgia, and Rachialgia in Influenza, &c. (See published reports by Professors Frazer and Dujardin-Beaumetz, and other authorities.)

ETHYL CHLORIDE

(DR. BENGUÉ).

With Patent Stopper and Spray. The most convenient, economic and handy form of producing local anaesthesia for dental or minor operations; also as a remedy for relieving pain in Neuralgia, Migraine, &c. (See Pamphlet.)

SALICYLIC ACID, SALOL, SALICYLATES

(KNOLL & CO.).

The products of Messrs. Knoll & Co., Ludwigshafen, are well known for their purity, uniformity, and superiority of manufacture generally. (See Report on Salicylic Acid and Salicylate of Soda, by Robert H. Davies, F.I.C., Chemist to Apothecaries' Hall, &c.)

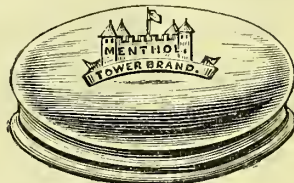
Samples, Pamphlets, published Reports of the Medical Press, &c., sent free on application.

SOLD BY ALL WHOLESALE DRUG HOUSES, OR DIRECT BY B. KÜHN, 36 ST. MARY-AT-HILL, LONDON (IN WHOLESALE QUANTITIES ONLY).

MENTHOLS! MENTHOLS! MENTHOLS! — TOWER BRAND. —



Better Style
and Finish than
any others.



Do not break
away
from Pedestal.



Write for Illustrated Catalogue and Prices to
DUNCAN, FULLER & CO., Manufacturing Chemists,
150 MINORIES, E.C.

CAUTION.

Registered Trade Mark.

BEST FLINT DISPENSING
BOTTLES, WHITE, BLUE, OR
GREEN TINT, AMBER
AND ALL OTHER
COLOURS.



Number 26866.

HAND MADE SHOP-ROUNDS.
OPAL, FLINT, AND TURQUOISE
BOXES. SPECIAL ATTENTION
GIVEN TO BOTTLES
FOR PROPRIETARY ARTICLES.

SPECIALITIES—AMBER, ACTINIC GREEN, AND TURQUOISE.

The proprietors of the above Brand have had their attention drawn to Advertisements in the *Chemist and Druggist* which are calculated to mislead the users of the above. The "W" Brand has only been made in ONE quality, viz.—**THE BEST**—and the proprietors have no intention to deviate therefrom, and think it only right to the trade and profession to point out that they never have made **SECOND** quality bottles.

The "W" Brand productions can be obtained only through London Wholesale Houses.

CAUTION!

SPECIAL NOTICE TO THE TRADE

LION OINTMENT & PILLS.

DEACON v. BURGESS.

In the High Court of Justice, Chancery Division, on Saturday, December 17th, Mr. Justice Kekewich, in delivering judgment, said "that it will be sufficient, I think, and I am sure quite safe now to say that the plaintiff (Mr. H. J. Deacon), who certainly has not proved his knowledge of the genuineness, but who has clearly indicated his ignorance, and who is attempting to sell as genuine medicine that of which he is really ignorant." N.B.—A full report of the Judgment appeared in THE CHEMIST AND DRUGGIST, December 24 last.

CHEMISTS ARE PARTICULARLY REQUESTED TO ORDER

E. BURGESS, JUNR.'S, LION OINTMENT AND PILLS,

And to see that the Label bears Address,

59 GRAY'S INN ROAD, W.C.

As these are the ONLY GENUINE Goods, and this fact will be EXTENSIVELY ADVERTISED THROUGHOUT THE KINGDOM.

The Trade is respectfully requested to refer to the issues of "THE CHEMIST AND DRUGGIST" of December 10 and 17, and to read the Statutory Declaration made by E. Burgess, Junr., before the Lord Mayor of London. E. B., Junr., is the only person living with the knowledge of method of manufacture of these Remedies, and all statements to the contrary are untrue.

A Special Inducement to Live Chemists

TO HANDLE

SCHIFFMANN'S

ASTHMA CURE

I will advertise any Chemist in his best local paper who will send a trial order for $\frac{1}{2}$ dozen.

Goods can be returned at any time when not satisfactory.

Postage or Carriage Prepaid, and Sample Packages sent FREE to the address of any sufferer.

PRICES TO THE TRADE—

2/6 size	21 Shillings per dozen.
4/6 "	40 " "

R. SCHIFFMANN, M.D.,

68 High Holborn, W.C., London, & St. Paul, Minn., U.S.A.

Trade supplied by

F. NEWBERRY & SONS, London; JOHN M. RICHARDS, London; W. EDWARDS & SON, London; CHEMISTS' ASSOCIATION (LIMITED), London; EVANS, SONS & CO., Liverpool; and other Wholesale Chemists.

Mention "offer" in THE CHEMIST AND DRUGGIST when ordering.

A Book—Free.

This book opens up, in a simple yet graphic manner, the mysterious workings of nature in the human stomach.



You would not believe what delicate mechanism, what clocklike precision, what faultless processes are secretly and quietly in constant operation; how all these are set in motion by a bit of food entering the stomach.

Studying these things teaches us what to eat, what to avoid, and how to promote health. Those who suffer from weak stomachs or any form of dyspepsia should certainly read it.

We wish to send one copy to every Chemist in the kingdom. This book is full of interest, and will prove of use to anyone who will look it through. It clearly describes our preparation—Guy's Tonic—and shows by typical illustration the value of this remedy in cases of Indigestion, Sluggish Liver, and Nervousness. Please send name and address by Post-card to GUY'S TONIC CO., (New Offices) 6 SLOANE SQUARE, LONDON, S.W.

FOR
POWDERS OR SOLIDS,
LIQUIDS,
RECTAL & VAGINAL PURPOSES
CATTLE MEDICINES,
HORSE AND DOG BALLS.

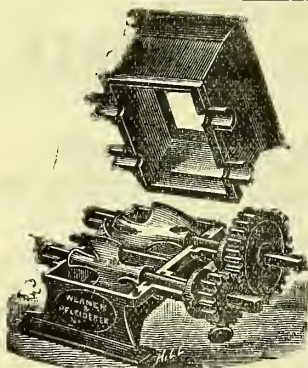
PLANTEN'S CAPSULES

REVISED PRICE LIST
AND
FREE SAMPLES

Will be forwarded upon application to
C. E. MASON & CO.
2 Beech St., LONDON, E.C.



AN ALTERATION will be made in the putting-up of MÖLLER'S COD LIVER OIL almost immediately, by the adoption of CARTOONS or CARDBOARD BOXES; and Chemists who have any "go" and some Stock should apply for and obtain some of these Handsome Covers, and so secure their share of the increased sales which are sure to follow. The elegant Photo-lithographs can also be had of PETER MÖLLER, 43 SNOW HILL, E.C. N.B.—The Patent Oil does not require a P.M. Stamp.



Size 3, Type I, for 1-lb. Mass.

THE "UNIVERSAL" KNEADING AND MIXING MACHINE

Pill Cutting, Pill Rounding, Pipers, and all other Machines for

PILL MASS MAKING,

Also for Horse Balls, Tooth Pastes, Ointments, Soaps, Powders, and for general Mixing, Incorporating, Sifting, and Straining.

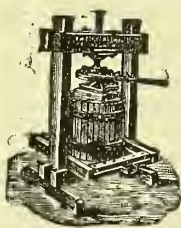
REPLACES WITH ADVANTAGE ALL OTHER APPLIANCES FOR THESE PURPOSES

Made in various sizes, to do from $\frac{1}{4}$ lb. up to 1 ton at a time.

WERNER & PFLEIDERER, 117 QUEEN VICTORIA ST., E.C.

Contractors to the War Offices of all the Great Powers and other Governments.

MAYFARTH'S PRESSES,

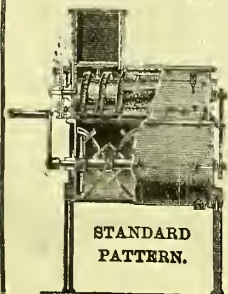


For pressing JUICES, TINCTURES, and other substances, are the best for MANUFACTURING CHEMISTS and others. They are strongly constructed, and are unrivalled for SIMPLICITY and CONVENIENCE.

Price List and Full Particulars on application to

PH. MAYFARTH & CO.,
16 MINCING LANE, LONDON, E.C.

Use GARDNER'S Patent 'RAPID' SIFTERS & MIXERS



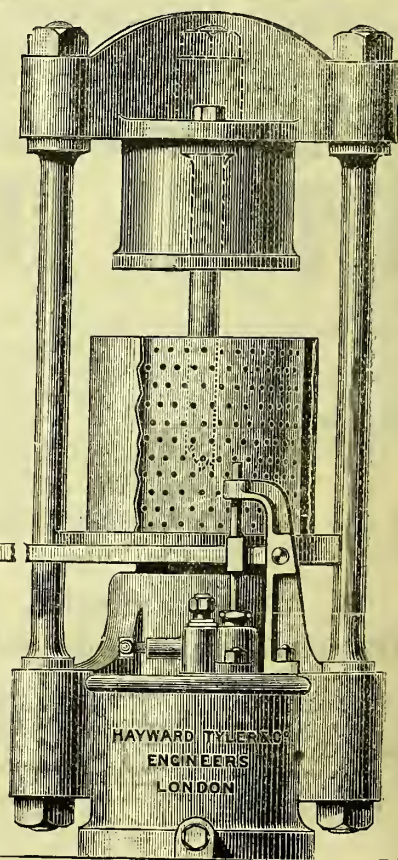
For Sifting and Blending every kind of Dry Powders.

New Illustrated Catalogue on application to

WM. GARDNER,
Engineer, &c., Gloucester.

Whitecross Street, LONDON, E.C.

**HAYWARD
TYLER & CO.**



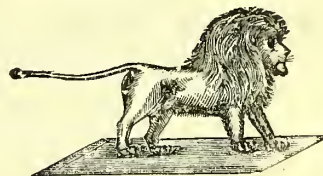
Examine your Stock. Every genuine Box and Bottle has the Lion Trade Mark on.



Faesimile of Ointment
and Pill Label.



REGISTERED



TRADE MARK.

BURGESS' LION OINTMENT, PILLS, & NERVE TONIC.

(Late Proprietor, E. BURGESS, of Holborn, W.C.)

The Proprietary Rights in the above Ointment, Pills, and Nerve Tonic, also goodwill of business, together with all Trade Marks, Registered at Home and Abroad, **HAVING BEEN PURCHASED BY ME OF THE SENIOR OFFICIAL RECEIVER, Mr. GEORGE WREFORD** (he being Trustee to the Estate), all ORDERS and communications should be sent to address at foot.

Notice is hereby given that all those infringing my rights, either by preparing or selling spurious Ointment, Pills, or Nerve Tonic, will be at once proceeded against.

H. J. DEACON,

15 BROMLEY ROAD, BECKENHAM, KENT.

November 14, 1892.



"CLARKE'S BLOOD MIXTURE is ENTIRELY FREE from any POISON or metallic impregnation, does not contain ANY INJURIOUS INGREDIENT, and is a good, safe, and useful medicine."

ALFRED SWAINE TAYLOR, M.D., F.R.S.
Lecturer on
Medical Jurisprudence and Toxicology.

Counter Bills and Posters, with Name and Address also Show Cards, on application. Printed matter supplied in any Language for Foreign Agents.

CAUTION.—Immediate proceedings will be taken against all persons pirating the Trade Mark, "Blood Mixture" (Registered No. 3,275), Labels Wrappers, Bills, or Advertisements, or in any way infringing the rights of the Sole Proprietors,

THE LINCOLN & MIDLAND COUNTIES DRUG CO., LINCOLN, ENGLAND.



SEQUAH'S OIL." (Regd.)

**SEQUAH'S PRAIRIE FLOWER,
SEQUAH'S OIL,**

AND

SEQUAH'S INSTANT RELIEF

Always give satisfaction.

SEQUAH, LIMITED, 46 HOLBORN VIADUCT, E.C.

TRADE MARK.



"SEQUAH INDIAN
PRAIRIE FLOWER."

REGISTERED

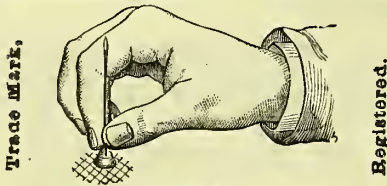
COTTON ELASTIC STOCKINGS,

1/10 each. Superior quality, 2/- each.

SILK ditto, 3/1 each. Superior quality, 3/9 each.

COTTON KNEE-CAPS,**LEGGINGS, AND SOCKS,**

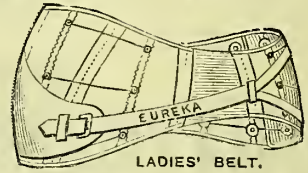
1/4 each. SILK ditto ditto, 1/11 each.

*Cash with order. £2 Orders Carriage Paid.***FRANK WOOD,****42 BELVOIR STREET, LEICE STER.****THE****ASSOCIATION for the SUPPLY of PURE VACCINE LYMPH**
12x PALL MALL EAST, LONDON, S.W.

SOLE AGENTS FOR

DR. WARLWORTH'S CALF VACCINE.

Tubes, 2s. each; Half Tubes, 1s. each. Pomade in vials, 6s.
HUMAN VACCINE, from healthy children only, microscopically examined and source quoted. Tubes two-thirds full, 1s. 8d. each; Tubes one-third full 1s. each; Tubes two-thirds full (same as those mentioned above, but without source), in quantities for export, 45 per 100 Tubes. Pin-points uncharged, 1s. per dozen. Vaccine Ejectors, 1s. 3d. each including postage. P.O.O.s (including postage, and crossed London and Westminster Bank) with orders, payable to EDWARD DARKE, Secretary.

*Office hours, 10 to 4. Saturdays 10 to 2.***VINCENT WOOD'S**
WORLD- KNOWN
SURGICAL APPLIANCES.**The "EUREKA" Galvano-Electric Continuous BATTERY BELTS AND CORSETS.**BEWARE OF
FRAUDS.

LADIES' BELT.

BELTS LARGELY
ADVERTISED.

PRICES.—Ladies' or Gentlemen's 1 power, 8 batteries ... 8/6 each.
 " " 2 " 16 " " " 12/6 "
 " " 3 " 24 " " " 16/6 "
 Narrow Belts, Featherweight Electric ... 30/- per doz.
 Galvano-Electric Corsets, 4 6 to 25/6 each, according to power.

SPECIALITY—A Gentlemen's Eureka Belt and Suspender Combined. Prices 12/6, 17/6, 25/6. Retail advertised prices, 3, 3, and 5 guineas.

ALSO PATENTEE AND MANUFACTURER OF

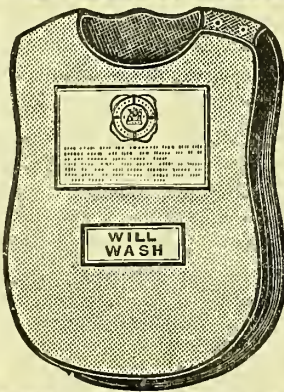
CHEST PROTECTORS, MAGNETIC APPLIANCES, TRUSSES, EAR CAPS, ELASTIC HOSIERY, ABDOMINAL BELTS, EXPANDING BRACES, SUSPENSORY BANDAGES, &c.

Statuettes, Electros, Counter Bills, Showcards, &c., supplied Free to those exclusively stocking my goods. Obtainable through your Wholesale House, or apply at

3 St. Andrew Street, Holborn Circus, LONDON, E.C.*(Adjoining Church.)*

ESTABLISHED 1840.

Telegrams—"ACME LONDON."

**THE LIVERPOOL LINT CO.**

MARK STREET MILLS, LIVERPOOL.

"HEALTH"**CHEST PROTECTORS**

ARE WARMER, SOFTER, MORE ELASTIC, AND BETTER
 FITTING THAN FELT, BEING WOVEN FROM BEST
 LAMB'S WOOL ONLY.

ESTABLISHED 1830.

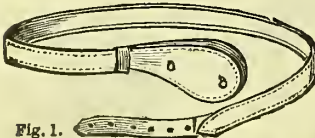
TRUSSES.

Fig. 1.



Fig. 2.

The Best and Cheapest Trusses of all kinds in the Wholesale and Export Market are manufactured by

LINDSEY & SONS.

ELASTIC STOCKINGS, SUSPENDERS, AND SURGICAL BANDAGES OF ALL KINDS.

WHOLESALE AND EXPORT. THE LARGEST SHIPPERS IN THE TRADE.**ILLUSTRATED PRICE LIST POST FREE TO ANY ADDRESS.****32, LUDGATE HILL, and 40 GRACECHURCH STREET, E.C.**

"PRICE'S GLYCERINE"

(Originally introduced in 1855).

Guaranteed free from ARSENIC
and all other impurities.

WHOLESALE FROM

PRICE'S PATENT CANDLE CO.
LIMITED,

London, Liverpool, and Manchester.

SHARP BROTHERS,

FLINT GLASS BOTTLE MANUFACTURERS,
GLYN ROAD, CLAPTON PARK, N.E.

TO WHOLESALE AND EXPORT BUYERS.

VIALS—Lime, Cream, and Kalis in all sizes.
Druggist and Sundry Perfumery Bottles, and White
Metal Screw Top Pomade.

Samples or Price List on application.

GLASS BOTTLES

GOOD AND CHEAP.

From Stock
in London or
direct from
the Works.

SPECIAL PACKAGE for the New Year, 1893,
containing—

1	CROSS 8-OZ. BOTTLES	..	..	..	s. d.
2	" 6-OZ. "	..	..	..	9 0
1	" 4-OZ. "	..	..	..	8 0
1	PACKAGE	..	..	..	1 0
					£1 16 0

The New Shape with rounded edges, or the ordinary
shape, either plain or graduated.

The above "Special Package" is sent, Carriage Free, to
any part of England.

A SAMPLE BOTTLE SENT FREE ON APPLICATION.

I. ISAACS & CO., Glass Bottle Manufacturers,
25 Francis St., Tottenham Court Rd., LONDON, W.C.
Established 50 Years. Bankers—London and Westminster Bank.

PARIS EXHIBITION, 1889.

PRIZE MEDAL AWARDED TO



"SALVO PETROLIA"

Absolutely Genuine Paraffinum Molle of the
very Purest Form, and we claim that it is
superior to Vaseline.

Manufactured by the Proprietors in Five distinct qualities—
WHITE, LEMON, YELLOW, GOLDEN, AND VETERINARY.
PACKED IN TINS, 1, 5, 10, 14, 23, 56, and 112 lbs. Also in 3-cwt. Casks.

"OLEUM DEELINÆ"

(REGISTERED).

Universally adopted by the Medical Profession for
OPHTHALMIA, SCURVY, RINGWORM, ECZEMA,
AND ALL SKIN-DISEASES.

For External and Internal Irritation of every kind.

PACKED IN CASES—

One Doz. 1s. 6d. Bottles; One Doz. 2s. 6d. Bottles.

Pint Bottles, 4s. 6d. each, for Hospitals and Dispensing
Chemists.

TESTIMONIALS MAY BE HAD UPON APPLICATION.

"Edible Salvo Petrolia"

For Public Speakers, Actors, and Singers.
1s. 6d. per Tube.

The above are Manufactured Solely by the Proprietors.

THE DEE OIL COMPLY.

LIMITED.

Works—SALTNEY, CHESTER.

OFFICES—

LONDON—38 LEADENHALL STREET, E.C.

Liverpool, Dublin, Manchester, Glasgow, Hull, Cardiff,
Bristol, Belfast, Barrow-in-Furness, Nottingham,
Paris, Hamburg, &c.

GLASS BOTTLES.

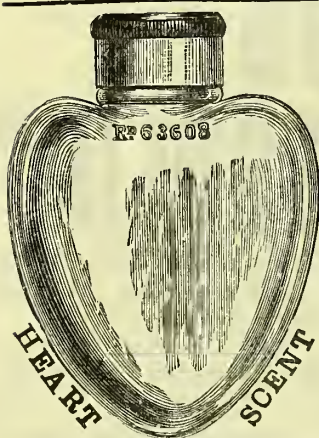
TO WHOLESALE AND EXPORT BUYERS.

DISPENSING BOTTLES of best quality, in White Flint or all the best and newest tints. **VIALS**.—White Flint or Coloured, in all shapes and sizes. **FEEDING BOTTLES**.—Plain mouths or Screw Steppers, in White or Green Flint. **LIME CREAMS AND KALIS** of all sizes. **ESSENCE BOTTLES** of every description, Plain or Stoppered. **MALT EXTRACT BOTTLES**, in Actinic Green, Amber, Dark Blue, or White Flint.

TO FOREIGN AND COLONIAL BUYERS.

Having recently erected spacious Warehouses we are enabled to give special attention to packing Goods for Export. Only experienced Packer employed.

E. A. HEARN & CO., HOLESale & EXPORT CLASS BOTTLE MANUFACTURERS, ECLIPSE CLASS WORKS, CHATSWORTH ROAD, CLAPTON, LONDON, E.



R. H. BARRETT,

Flint Glass Bottle Works,

THE OVAL, CAMBRIDGE HEATH, LONDON, E.

THE HEART SCENT BOTTLE (Reg.), for Salts or Perfume.

Is most admirably adapted for pocket use, combining great beauty of design with the maximum of convenience.

Price, Plain or Fluted (in 5 GROSS lots) :—12/6 per gross. Assorted WHITE and COLOURED. N.B.—The Caps for these will be fitted, if desired, with indestructible washers, to resist the action of ammonia, which destroys cork in a short time.

METAL SCREW-CAPPED LIMES, in White Flint, Actinic Green, or Amber. The Best Bottle for Glycerine or Pills. Prices : 1 oz. 13/6, 2 oz. 15/-, 3 oz. 18/-, &c. per gross.

Chemists' and Perfumers' Bottles in great variety, Plain or Stoppered.

Orders may be sent to the **PRINCIPAL WHOLESALE HOUSES.**

TELEGRAPHIC ADDRESS—"FOREFRONT LONDON."

[3]

BOTTLES

Write for revised Price List of Dispensing Bottles, &c.

SAMPLES ON APPLICATION.

Special Quotations for Large Quantities.

E. YOULDON,

EAST LONDON GLASS BOTTLE WAREHOUSE.

36, 38, & 40 Great Garden Street,

WHITECHAPEL, LONDON, E.

CHEAP DISPENSING BOTTLES

WEST LONDON DEPOT, ESTABLISHED 1830.

WHOLESALE OLD and NEW kept in Stock.

, 6, & 8 oz., Plain or Graduated, Fitted with Corks ready for use, at 7/- per gross. Good Corks, 6d., 8d., 10d., & 1/- per gross.

HOSPITALS and MEDICAL GENTLEMEN will find this a great boon for economy and quickness in DISPENSING MEDICINES.

SMALL VIALS AND POISONS AT EQUALLY LOW PRICES.

APPLY

Telegraph Address—"BARRADELL LONDON." **J. P. BARRADELL, 15 & 16 PADDINGTON GREEN, LONDON, W.**



FEEDING BOTTLES

IN GREAT VARIETY.

BOTTLES & GLASSWARE

FOR

PERFUMERY FACTORS,
DISPENSING,
PATENT PROPRIETARY ARTICLES,
HONEY AND PRESERVE BOTTLING,
AERATED WATER BOTTLERS,
CITRATE OF MAGNESIA,
POMADE BOTTLERS,
SMELLING SALTS,
CORN PAINT PREPARATIONS,
COUGH MIXTURES,
EAU DE COLOGNE BOTTLERS,
GLYCERINE AND GLYCERINE JELLY.

SEND FOR OUR ILLUSTRATED PRICE LIST.

BREFFIT'S

(LIMITED),

83 UPPER THAMES STREET, LONDON,

CHEMISTS' AND DRUGGISTS' BOTTLE AND GLASSWARE MANUFACTURERS.

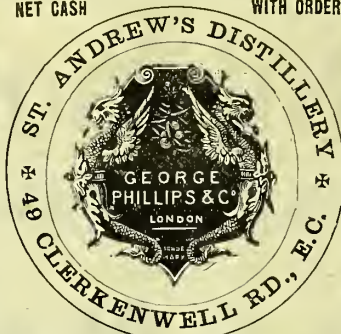
S^{0/56} V^{0/60} R
19/4 19/10

PERFECTLY PURE.
FIT FOR ANY PURPOSE.

PURE ORANGE WINE.

NET CASH

WITH ORDER.



S^{0/61} V^{0/64} M

AT LOWEST PRICES.

Special Terms to Large Buyers.

PURE GINGER WINE.

FOREIGN WINE AND SPIRIT MERCHANTS.

SOLE PROPRIETORS OF THE FAMOUS "GLENALLAN" PURE MALT WHISKY.

Per doz. **42/-** Per doz. THE CREAM OF SCOTCH BLENDS. Per doz. **42/-** Per doz.

BOORD & SON,

DISTILLERS, FOREIGN WINE AND SPIRIT MERCHANTS, AND METHYLATORS,
ALLHALLOWS' LANE AND BARTHOLOMEW CLOSE, LONDON, E.C.

Quotations for **S.V.R.** Methylated Spirit and Finish on application.
FINEST ORANGE WINE FOR QUININE.

JAMES BURROUGH, S^{56 o.p.} V^{60 o.p.} R.

CALE ST., CHELSEA, S.W.

and Methylated Spirit

AT LOWEST PRICES.

WRITE FOR QUOTATIONS.

PETROLEUM JELLY

WHITE, RED AND YELLOW
TRADE MARK
CONFORMS TO ALL REQUIREMENTS OF B.P.

BEST AND PUREST

CHEAPER AND EQUAL TO VASELINE, AND PRONOUNCED BY THE MEDICAL PROFESSION TO BE UNSURPASSED.
Tins of all sizes, from 1 to 10 lbs.; Iron or Wood Kegs, $\frac{1}{2}$, $\frac{3}{4}$, and 1 cwt.; Barrels about 3 cwt., &c. Samples and prices on application, stating packages and quantities required, to the Manufacturers—

SNOWDON, SONS & CO., MILLWALL LONDON, E.

THE WANT OF THE DAY!

NO MORE SOFT LINEN WHEN STARCHED.

Used in the Royal Laundries.

Should be used in Every House.

The Greatest Boon ever offered to the Laundress for imparting an IVORY-FINISH to Starched Linen, Laces, &c. It does not stick to spider-web-like materials.



REGISTERED No. 40,378.

Once Tried, Always Wanted.

Makes Old Linen like New.

From the Chief Laundress to H.R.H. the Prince of Wales:—West Newton, near Lynn, Norfolk, Aug. 29, 1879. Sir,—Having tried your "STARCH GLOSS," I certainly think it a great improvement—far superior to any I have tried.
Yours truly,
To Mr. CRITCHLEY. H. ELDER.

Sold by Chemists and Druggists, Grocers, Oilmen, &c., in Packets at 1d., 3d., 6d., and 1s. each.

PREPARED ONLY BY
T. CRITCHLEY, CHEMIST AND WHOLESALE DRUGGIST, BLACKBURN.
LONDON DEPOT—2 BEECH STREET, E.C.

THE FLOWING TIDE.

If you desire to take full advantage of the substantial improvement in trade that is prophesied for this New Year, write for Price List of

OILS, COLOURS, AND VARNISHES

Issued by the Old-established Firm of

PINCHIN, JOHNSON & CO.

23 BILLITER STREET, LONDON, E.C.

Telephone 2241.

Telegrams—"PINCHIN LONDON."

BATTLEY & WATTS,

MANUFACTURING CHEMISTS, WHOLESALE & EXPORT DRUGGISTS, CRIPPLEGATE, LONDON
EXTRACTS & LIQUID EXTRACTS A SPECIALITY.

LISTS SENT POST FREE ON RECEIPT OF BUSINESS CARD. PLEASE COMPARE PRICES.

GENUINE EMERY, EMERY CLOTH, AND BLACK LEAD.

JOHN OAKEY & SONS,

MANUFACTURERS OF

Glass and Flint Paper, Emery and Glass Cloth; Emery, Black Lead, Emery Wheels, Pumice, Putty Powder, Crocus, Urn Powder, Tripoli, Rouge, Plate Powder, Steel Polish, Furniture Polish, Knife Boards, Brunswick and Berlin Black, &c.

OAKEY'S WELLINGTON KNIFE POLISH

Prepared expressly for Oakey's and other Knife Boards, Buff Leather Boards, and all the Patent Knife Cleaning Machines.
Sold in Canisters with perforated Tops to prevent waste, at 1d., 2d., 3d., 6d., 1s., 2s. 6d., and 4s. each.

OAKEY'S NON-MERCURIAL SILVERSMITH'S SOAP,

For Cleaning and Polishing Silver, Plate Glass, Marble, &c. Tablets, 6d. each.

OAKEY'S "POLYBRILLIANT" (REGISTERED).

A Magic Pomade for Cleaning Brass, Copper, Tin, Pewter, Britannia Metal, &c. Never becomes dry and hard like other Metal Paste.
Tins, 1d., 2d., 3d., and 6d. each.

WELLINGTON BLOCK BLACK LEAD,

In 1d., 2d., and 4d. Blocks, and 1s. Boxes.

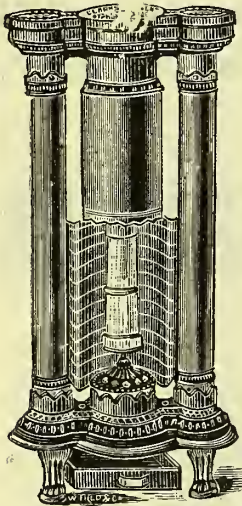
WELLINGTON EMERY & BLACK LEAD MILLS, Westminster Bridge Road, London, S.E.
Highest Award and Prize Medal, Philadelphia Exhibition, 1876; and Boston, 1883. Gold Medal, Crystal Palace, 1884.

TO CHEMISTS AND DRUGGISTS.

AGENTS WANTED FOR THE SALE OF
"THE SYPHON" (REGISTERED TITLE) **HYGIENIC CONDENSING GAS HEATING-STOVES**
 (CLARK'S PATENT).

A Necessary for all Invalids. A Comfort to Everybody.

NO FLUE REQUIRED. FREE FROM SMELL OR SMOKE.



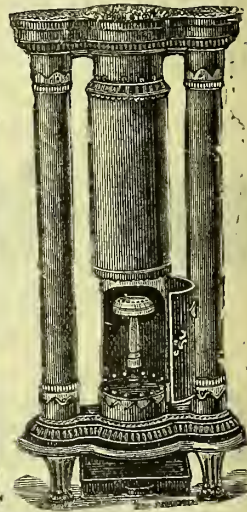
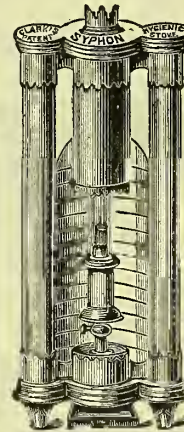
All injurious vapours are reduced to harmless liquid inside the Stove, and passed out at foot into a tray provided for that purpose.

For use in Hospitals, Sick Chambers, Bedrooms
 Halls, Conservatories, Schools, Shops, &c.



They give a Pure, Equable, and Agreeable Heat, which can be graduated and sustained at the will of the user.

Specially suitable for patients suffering from Bronchial affections, as a moist atmosphere is obtainable when required.



For Terms, Particulars, and Prices, apply to

S. CLARK & CO., Patentees and Makers, Syphon Works, Park Street, ISLINGTON, LONDON, N.

Telegraphic Address—"SYPHON STOVES LONDON." Wholesale Agents—Messrs. MAW, SON & THOMPSON, Aldersgate Street, London, E.C.

DAY, SON & HEWITT'S NEVER FAILING HORSE, CATTLE & SHEEP MEDICINES.

THE CHEMICAL EXTRACT.

For Kicks, Cuts, Bruises, Sore Withers Swellings, Strains of Ligaments and Tendons, Saddle Galls, &c. It rapidly relieves Straining and Pain after Calving and Lambing, and is the remedy for Swollen Udders and Sore Teats.

Price 2s. 6d., 3s. 6d., and 7s. per Bottle.

THE CASEODYNE,

Used as Laudanum for parturition in Mares, Cows, and Ewes, when there is great pain exhibited with feverish symptoms. Highly beneficial for Inflammatory Colic or Enteritis, and for severe forms of Diarrhoea.

Price 3s. 6d. per Large Bottle.



For Fret, Colic, or Gripes in Horses, Hoven or Blown Sheep, and General Debility in Stock; of exceptional value for Colds, Chills, Scour, Diarrhoea, and weakly Lambs and Calves.

Price 1s. 9d. per Bottle, 20s. per doz.

THE RED DRENCH.

For Colds, Indigestion, Costiveness, Yellows, Surfeits, Loss of Cud, Pleurisy, Hide-bound, Red Water, &c. Admirably adapted for cleansing and checking feverish symptoms in Cows and Ewes after a bad time of Calving or Lambing.

Price: for Cows, 13s. per doz.; for Ewes, 3s. 6d. per doz.

THE BRONCHOLINE.

For Husk or Hoose in Heifers, Calves, Sheep and Lambs, also Tape-worms in Tegu. No parasite can exist in the windpipe or air passages after the blood has been impregnated with this worm-destroying medicine.

Price 2s. 6d. per Bottle.

**THE ORIGINAL
STOCK-BREEDER'S MEDICINE CHESTS,**

For Horses, Cattle, and Sheep. Prices, £1 8s. 9d. and £2 16s. 6d.

**THE ORIGINAL
HORSE-KEEPER'S MEDICINE CHESTS,**

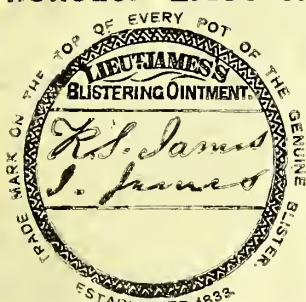
For all ailments in Horses. Prices, £1 10s. and £2 17s. 6d.

ROYAL ANIMAL MEDICINE MANUFACTORY, 22 DORSET ST., LONDON, W.

Liberal Discount to Foreign Buyers.

Trade Terms and full particulars on application.
 Attractive Show-cards and Handbills sent with each order.

ESTABLISHED 1833. HORSES.—LIEUT. JAMES'S BLISTER.



CAUTION.

The annexed Label is at the top of every Pot of the ORIGINAL and only GENUINE BLISTER.

The Messrs. Barclay & Sons, 95 Farringdon Street, London, and Messrs. Raimes & Co., Edinburgh, are now and have been Agents 57 years.

AGENTS:—Sutton & Co., 10 Bow Churchyard; W. Edwards & Son, 157 Queen Victoria Street; Newbery & Son, 37 Newgate Street; Evans, Lescher & Evans, Bartholomew Close; Burgoyne, Burdidge & Co., 16 Coleman Street; Lynch & Co., 171A Aldersgate Street; Southall Brothers and Barclay, Birmingham; R. Hovenden & Sons, 93 & 95 City Road, Finsbury; Sanger & Son, 150 Oxford Street; Millard & Sons, 40 Charterhouse Square; Corry & Soper, Shad Thames; A. A. Campbell, Leadenhall Street, London; Woolley, Sons & Co., 59 Market Street, Manchester; Apothecaries Company, Virginia St., Glasgow; John Thompson 52 Hanover Street, Liverpool; Railway & Co., Bride Street Dublin; McMaster & Co., 121 & 122 Capel Street, Dublin; T. McMillen & Co. and J. Clarke & Co. (Lim.), Belfast; D. Galbraith, Londonderry; M. O. Delacre Pharmacie Anglaise, Bruxelles.

And by all Chemists, in Pots, 1/6, 2/9, 5/, 9/, and 18/.

COLONIAL AGENTS:—MELBOURNE and WELLINGTON: Felton, Grimwade & Co.; SYDNEY, BRISBANE, and LAUNCESTON: Elliott Bros. & Co.; DUNEDIN and AUCKLAND: Kempthorne, Prosser & Co.; CALCUTTA: Smith, Stanistreet & Co.

W. H. JAMES, SOLE MANUFACTURER, FARINGDON, BERKS.
Advertised in "Bell's Life" 54 years. Beware of Spurious Imitations.

THOMAS BIGG'S EMBROCATIONS.

FOR HUMAN USE.

For Sprains, Bruises, Cuts, Chest Colds, Sore Throat, Rheumatism, &c.

FOR VETERINARY USE.

For Sprains, Kicks, Cuts, Rheumatism, Prevention of Splints, Curb, and Spavin, Saddle and Shoulder Galls, and Garget in Cows and Ewes.

For Terms, Showcards, and Circulars, apply at

Leicester House, Great Dover Street, Borough, LONDON



HARROLINE PILLS.

The Great Harrogate Tonic.

An unfailing Cure for Poverty of Blood, Anæmia, Chlorosis, and every form of Debility arising therefrom.

1s. 1½d. and 2s. 9d.

WHOLESALE FROM THE
HARROLINE PILL CO.
HARROGATE.

FULL PARTICULARS & TERMS ON APPLICATION.

BEWARE OF COPYISTS.

THREE GREAT

THE "PURIFIED" DRIFFIELD OILS,

Commonly called "Day's Oils,"
"Day's Black Oils."

For Wounds of all kinds in all animals.
For Saddle & Stake Wounds & Cracked Heels.
For Sore Teats and Swollen Udders in Cows.
For Anointing in bad Lambing and Calving.
Price 2s. 6d. and 6s. per Bottle.

Established 1840.

Day & Sons, ANIMAL Grewe. MEDICINES

AWARDED OVER 40 PRIZE MEDALS.



BEWARE OF COPYISTS.

THE RED DRINK

OR

COW DRENCH.

Unres Fever and Oostiveness in Cattle.
Cleanses and Cools the Blood and System.
For Red Water, Indigestion, and Yellows.
Cures Bad Cleansing & prevents Milk Fever.

Price 12s. per dozen Packets.

The "EWE DRENCH" acts as
above for Sheep. 3s. 6d. per doz.



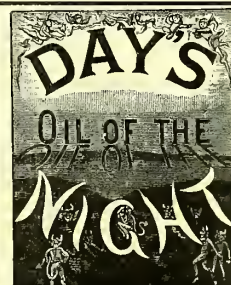
What's good for BODILY PAIN?

DAY'S OIL OF THE NIGHT

The People's Embrocative Balm for Sprains, Muscular Weakness, Rheumatism, Lumbago, Cramp, Sore Throat from Cold, Sciatica, &c., and all Aches, Pains, & Soreness.

Send for "Day's Oil of the Night" terms, framed to prevent CUTTING.
Chemists can have a Single Bottle direct. Price 1/1½ & 2/9 per Bot.

DAY & SONS, CREWE, CHESHIRE.




HAKKA
CATARRH, HAY FEVER,
HEAD-COLDS, ETC.
CREAM

For Colds, Influenza,
Hay Fever,
Catarrh, &c.
Of all Wholesale Houses, or
direct from Sole English
Depôt,
A. P. BUSH & CO.
1 Gresham Buildings,
LONDON, E.C.
SHOWCARDS, &c., on
Application.

REGISTERED. (2)

FINEST CRUSHED LINSEED.
£15 per ton, 17s. per cwt., 9s. per 56 lbs., in bags;
27s. for 36 2-lb. Tins; carriage paid within 200 miles.
WALTER GRAHAM & CO.
PURVEYORS TO HER MAJESTY,
HEADLEY OIL MILLS, GREENWICH.

THE
"MORSTADT" **Cachets**
Are the most digestible, flexible, and elegant Cachets in the market, and
are fast replacing all competitors. The Cachets are made to hold from
3 to 18½ grains Quinine or Salicylic Acid.
"MORSTADT" OACHET CLOSING APPARATUS, to easily, cleanly,
and speedily close 12 Cachets at one operation, from 12s. to 30s.
SMALL APPARATUS, to fill and close 1 Cachet at a time, 2s. 6d. each.
THOMAS CHRISTY & CO., 25 Lime St., London, E.C.


E. H. THIELLAY'S (Registered 1867)
EUCALYPTIA.
From "Eucalyptus Globulus." An authentic regene-
rator of the hair, instantly stopping its falling off, and is
invaluable for hairdressing; a safe-guard in epidemic times,
protecting surrounding the respiratory functions from
malarious and vitiated emanations. In Bottles at
2/6, 3/6, 4/6, 7/-, 10/-, &c.
All Wholesale Houses, or direct from
E. H. THIELLAY,
Parfumeur-Chimiste, Amersham Park, New Cross, LONDON.
(SHOW ROOMS AT CHARING CROSS HOTEL.) (2)


MUMFORD'S
CONCENTRATED CORDIAL ESSENCE
OF JAMAICA GINGER.
For 30 years has not been equalled for its prompt action in relieving pain from
Gout, Indigestion, Nervousness, Hysteria, Flatulency, &c. In bottles, 2s. 9d.,
4s. 6d., obtainable through Sanger, Barclay, Edwards, &c.; or from the
SOLE PROPRIETOR,
5 BATHURST STREET, HYDE PARK, LONDON, ENGLAND.

KREAT-HALVIVA.
MALARIA, INFLUENZA, FEVER,
INDIGESTION, SEA-SICKNESS.
For sale at 2/9 a Bottle. Agents—All Wholesale Houses in England.
KEMP & Co., Bombay; ELLIOTT BROS., Sydney.
4 TEMPLE CHAMBERS, LONDON, E.C.

EUCALYPTUS OIL.
GENUINE AUSTRALIAN OIL, pure, bright, and of a pale straw colour.
APPLY TO THE IMPORTERS,
FLETCHER, FLETCHER & STEVENSON,
21 MINCING LANE, LONDON, E.C.

NEW CROP FIRST EXTRACT
LEMON OIL,
Absolutely pure. Nothing finer imported.
5/9 per lb. o.i.f. Hull, London, or Liverpool, delivered as required up
to December, 1893.
MARK LEWIS, 23 Old Corn Exchange, MANCHESTER, and
in LIVERPOOL and LONDON.
DIRECT AGENT FOR LARGEST CONTINENTAL HOUSES.

PRECIPITATED CHALK, WHITEST AND PUREST.
CHEAPEST SELLERS IN THE MARKET.
ALSO CHEMICALS, DRUGS, AND OILS.
APPLY TO
AUG. LEVERMORE & CO., 8 LIME STREET, LONDON, E.C.

"SILVERY WHITE GUTTA PERCHA ENAMEL
TRADE MARK,
TOOTH STOPPING

P. A. STEVENS, Surgeon-Dentist
72 MANSFIELD ROAD, N.W.,
SOLE PROPRIETOR AND MANUFACTURER
Registered—No. 3746.
Special Terms to Wholesale Houses for Sheet or Sticks stamped with their own name.
A sample box of 3d. sticks sent post free for 12 stamps. Pricelist and sample free.

PUREST CHLOROFORM
Guaranteed free from all injurious impurities. The
Purest in the World.
SEND FOR ANALYSIS AND TESTIMONIALS.
SALAMON & CO., LD., CHEMICAL MANUFACTURERS
RAINHAM, ESSEX.

HAND-PICKED GUM ARABIC
Wholesale and Export Druggists before buying elsewhere
should apply to
FREDK. FINK & CO.
10 & 11 MINCING LANE, LONDON, E.C. (2)

RAYBOULD'S FURNITURE POLISH
BRICHTENS FURNITURE WITH LITTLE LABOUR.
In Tins—1d., 7/- gross. Stone Bottles—1d., 8/- gross; 3d., 2/- dozen
6d., 4/- dozen; 1s., 7/- dozen. It is sure to please and increase your trade.
Every Chemist should send for Sample order, 6 dozen assorted as required.
Carriage Paid, P.O.O. or Cheque, payable to
FLESHER RAYBOULD, REFORM WORKS, DUDLEY

Bromley's Gout & Rheumatic Pills
FREE Printing of Chemists' own Bills.
46 Sir Thomas's Buildings Liverpool, Eng.
Established 180
WILL CURE
CHEAPEST.
MOST
PROFITABLE
Not Sold under
Price on Box.
Send Hand-bill
or Labels.

TO LET.

EADE'S
GOUT and RHEUMATIC PILLS
Are the safest and most effectual remedy advertised for
GOUT, RHEUMATISM, AND ALL MUSCULAR PAINS
GEORGE EADE, 72 GOSWELL RD., E.C.
Counter Bills and Show Cards on application.

NOTICE.

GEORGE'S PILE AND GRAVEL PILLS

FOR OVER A QUARTER OF A CENTURY

This Remedy has maintained its

WORLD-WIDE REPUTATION

As a Safe and Speedy Cure for

PILES AND GRAVEL

And all the disorders of the

STOMACH, BOWELS, LIVER & KIDNEYS.

THE THREE FORMS OF THIS REMEDY:—

No. 1.—GEORGE'S PILE AND GRAVEL PILLS.

No. 2.—GEORGE'S GRAVEL PILLS.

No. 3.—GEORGE'S PILLS FOR THE PILES.

In BOXES, 1/1½ and 2/9 each.

WHOLESALE } £5 2s. per Gross, Net.
After January 31, 1893,
£5 8s. per Gross, Net.

In smaller quantities, 9/6 per dozen, Net.

PROPRIETOR—

J. E. GEORGE, Ph.C., HIRWAIN, ABERDARE.



DUN'S

IMPROVED

SOFT FLEXIBLE CAPSULES

AND

HARD CAPSULES

(Export), CONTAIN

GENUINE DRUGS ONLY.

Any Suitable Medicines
can be put up in Capsule
Form at Short Notice.

STOCKED BY ALL WHOLESALE HOUSES.

No prices marked on boxes.

A few kinds from regular stock.

COPAIBA

AND CUBEBS

SANDAL WOOD OIL

(Finest English),

COPAIBA & CUBEBS

MATICO

" " "

BUCHU

" " "

IRON

" " "

MALE FERN, NORWEGIAN TAR

DUN'S INDIAN CAPSULES

BLAUD'S PILL CAPSULES

&c., &c.



Prices and Samples Free on application (Wholesale and Export)—

HATRICK & CO., LIM., 31 SNOW HILL,
LONDON, E.C.

INFLUENZA!

FEROZONE

HAS BEEN PRONOUNCED BY THE FACULTY
AS THE BEST

SAFEGUARD and CURE

FOR THIS PREVAILING EPIDEMIC.

IT RESUSCITATES!

IT SUSTAINS!!

IT INVIGORATES

AND STRENGTHENS!!!

THOUSANDS OF TESTIMONIALS.

IN BOTTLES—2/9 EACH

From all the Wholesale Patent Medicine Houses.

WATSON & WATES

(Homœopathic Medicine Manufacturers),

Sole Manufacturers and Proprietors,

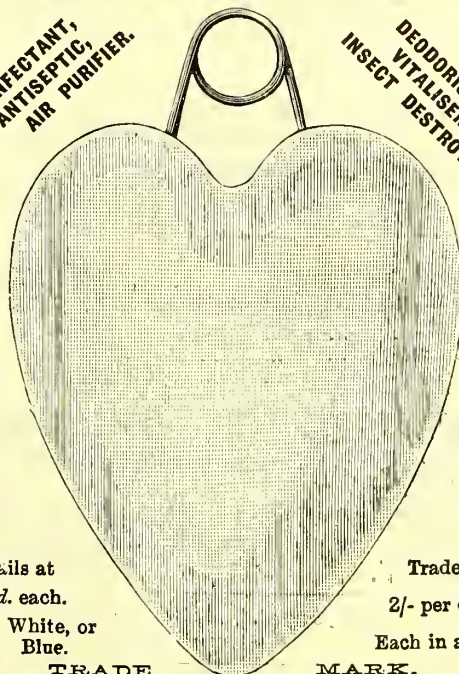
93 LEADENHALL STREET, LONDON E.C.

THE CITY OF LONDON

SANITARY HEART

DISINFECTANT,
ANTISEPTIC,
AIR PURIFIER.

DEODORISER
VITALISER
INSECT DESTROYER.



Retails at

3d. each.

Red, White, or
Blue.

Trade Price

2/- per doz.

Each in a box.

TRADE

MARK.

Sole Proprietors and Manufacturers,

J. BEEDZLER & CO., "Ye Golden Keye,"
20 NORTON FOLGATE, E.C. Established 1700.

When in the City, please don't fail to give
us a call!

NOTE NEW ADDRESS—**105 WHITECROSS ST., BARBICAN, E.C.**

SHIRLEY'S
A 1
MENTHOL
CONES.

1d. Vase or Pedestal, 3 doz.	gross.	No.
on card	7/-	8P. 6d. Acorn, Boxwood
1d. Bottle	6/6	112. 6d. Draughtsman "
2d. Pedestal	14/-	40. 6d. Watch "
3d. " 1 doz. on card	1/10	14N. 6d. Large Pedestal,
4d. " " "	2/6	117. 6d. Monster, Varnished

doz.	No.	doz.	No.
3/3	111. 1s. Acorn ...	3/3	17F. 1s. Draughtsman ...
3/3	17F. 1s. Reversible ...	3/3	9CR. 1s. Reversible ...
3/6	14L. 1s. Printed Acorn ...	3/6	14L. 1s. Printed Acorn ...
3/3	The best 6d. is the Unbreakable		A 1 Roller Menthol.
3/6	3/6 doz., carded.		
3/6	There is no nonsense about this.		
3/6	You can throw it up to the ceiling		
3/3	and it will not break in falling.		

"JUSTICE" figure given away with £2 order.
This helps to make your window attractive.

A 1 SOOTHERS.

The Best 3d. in the World.

A 1 SLIDE RING.

Very strong. Fitted with Seamless Teat.
2/- dozen.

1d., 3 dozen on card, with cord for	gross.	doz.
neck	7/6	6d., Bone Ring and Mount ...
1d., 3 dozen on card, Bone Ring...	8/6	6d., Whistle
2d., Boxwood Mount, and cord ...	14/-	6d., Fascinators
2d., Bone Mount and Silk ...	15/-	6d., Baby Companions
3d., All Rubber	17/-	
3d., Bone Ring and Mount ...	1/10	

Be on the look out for a novelty
shortly.

A SPECIAL LINE IN OINTMENT OR VASELINE TINS. No. A1, 1/9 net per gross.
MARVELLOUS VALUE.

**THERE IS NO QUESTION BUT WHAT, IF YOU STOCK SHIRLEY'S A1 LINES, 1893
WILL BE MORE PROFITABLE THAN 1892. YOU WILL HAVE NO BAD STOCK!**

ETIENNE'S PERFUMES are quickly becoming popular favourites.

In bulk, Triple, 9/- per lb.
In Original Tins, imported direct from
Grasse.
10/- per lb., in $\frac{1}{4}$, $\frac{1}{2}$, or 1 lb.
bottles, attractively labelled.

6d., Fancy Cut	doz.	4/-
6d., Sprinkler	3/9	
6d., Capped	3/6	
6d., Plain Bottles, cut stoppers	4/-	

1s., 1 oz. Lundborg shape ...	doz.	8/-
2 oz. " " ...	13/-	
4 oz. " " ...	24/-	
1s., Pink Lilac	8/-	
1s., Cut Stopper, Heavy Essences	8/-	

Can also be had in the Square Bottles, with Long Flat Stoppers, which look well capped.

VERY HIGHLY CONCENTRATED.

The finest imaginable, 1 oz., 11/-; 2 oz., 18/-; 4 oz., 34/-; stoppered.
6d. Lavender Water, 3/6 doz. No. 245, Fancy Heart-shape, 3/- doz.

The 1s. sizes and upwards can be had with Chemist's own Name on by ordering 3 dozen.

CARDED SCENTS.

Some Chemists set their faces against Carded Lines, but they bring grist to the mill.

1d. Tubes	gross	7/6	3d. Ovals, with Sprinklers ...	doz.	2/-	3d. Lavender Musk ...	doz.	2/-
1d. Bottles	"	8/-	3d. Capped	"	1/10	1d. Eau de Cologne ...	gross	8/-
2d. "	"	14/-	1d. Lavender Musk ...	gross	8/-	3d. " " ...	doz.	1/10

TWO NOVELTIES—"HAWARDEN" & "PRIMROSE" BOUQUETS,

**THESE
LINES
ARE
PERFECT.**

Elegantly labelled in 3 colours, with Gladstone's and Beaconsfield's Portraits on the labels, and appropriate
Mottoes. Sample cards, 3d., assorted, 1 dozen on each, 2/- dozen.

Buyers can have any assortment, according to the politics of the district. The 6d. and other sizes can be
had at same prices as ordinary kinds listed above.

THE PERFUMES ARE EXCELLENT and QUITE DISTINCT and NEW.
ORDER AT ONCE. THOUSANDS ARE BEING SOLD.

Please don't forget. Shirley's is the place for Novelities, and the fact of others imitating is
a proof of the saleability of the lines introduced.

SHIRLEY BROS., 105 Whitecross St., LONDON, E.C.

MAY, ROBERTS & CO.

9 CLERKENWELL ROAD, LONDON, E.C.

Telegraphic Address—"FEEDING BOTTLES LONDON."

**ILLUSTRATED
CATALOGUE,
1893,**

**DRUGGISTS' SUNDRIES,
SURGICAL APPLIANCES,
PATENT MEDICINES, &c.,
NOW READY.**

POST FREE ON APPLICATION.

TELEGRAPHIC ADDRESS—
"BAISS BROTHERS LONDON."

ESTABLISHED 1833.

TELEPHONE
No. 4369.

BAISS BROTHERS & CO.

WHOLESALE & EXPORT DRUGGISTS
AND
MANUFACTURING CHEMISTS.

MAKERS OF
CONCENTRATED LIQUORS

SOLID AND LIQUID EXTRACTS, B.P. & U.S.P.,

And all Pharmaceutical Preparations.

OL. LAVAND. "Special."

PETRO LATUM

(Paraffinum Molle, P.B.).



PERFUMES. "Special."

SYR. HYPOPHOSPH. CO.

(Neutral and Bright).

Finest Non-Freezing Norwegian Cod-liver Oil (1892). Tasteless Castor Oil. English and Foreign Essential Oils. Extract of Malt and Extract of Malt and Cod-liver Oil. In 8-oz. and 16-oz. Amber Bottles with Artistic Labels.

EUCALYPTUS OIL. "VIRGINIAN" SALAD OIL.

SPECIAL QUOTATIONS TO LARGE BUYERS.

JEWRY STREET, LONDON, E.C.

And NEW BROWN STREET MANCHESTER.

"THE QUARTERLY THERAPEUTIC REVIEW,"

A record of all the published **NEW REMEDIES**, is published by us in January, April, July, and October.

A Free Copy Mailed, with Prices Current, on Receipt of Business Card.